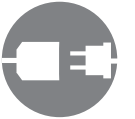


Materials Guide for EV

Engineered Tapes & Laminates



Automotive
Transportation
Electronics
Foam
Fabrication
Recreational
Vehicles

Mactac engineered tapes and laminates offer pressure sensitive adhesive solutions for bonding, mounting, and reinforcing specialty materials for the battery market. PSA-backed specialty materials offer thermal management, electrical insulation, NVH dampening, and other properties that can improve pack safety, increase efficiency, reduce weight, and simplify design.



Materials Guide for EV

Engineered Tapes & Laminates

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Mactac® Adhesion Testing on Armacell Foam Grades

| | | FC0 NBR/PVC | | AHC NBR/PVC | | IG3 NBR/PVC/CR | | IVC NBR/PVC/CR | | OER NBR/PVC | IV2 NBR/PVC/CR | | |
|-------------------|----------------|----------------|---------|-------------|----------------|----------------|----------------|----------------|----------------|-------------|----------------|----------------|---------------|
| Formula | Dwell | Skin | Cut | Skin | Cut | Skin | Cut | Skin | Cut | skin | Skin | Cut | |
| Rubber Adhesives | LV790 | 30 min @ RT | ++++ | ++++ | - | + | + | - | - | - | ++++ | - | - |
| | | 24 hour @ RT | ++++ | ++++ | - | + | ++ | + | - | - | ++++ | - | - |
| | | 72 hours @ RT | ++++ | ++++ | - | + | +++ (CF, SL P) | + | + | - | ++++ | - | + |
| | | 2 Weeks @ RT | ++++ | ++++ | - | + | +++ (SL P) | +(SL P) | + | + | ++++ | - | + |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | ++ (SL P) | +++ (CF) | +(SL P) | +++ (SL P) | ++ (SL P) | ++++ | +++ (P) | +(SL P) |
| | LV780 | 30 min @ RT | ++++ | ++++ | ++ | ++ | +++ (CF) | ++ (SL P) | + | +++ (P) | ++++ | + | ++ (SL P) |
| | | 24 hour @ RT | ++++ | ++++ | ++ | +++ (CF) | +++ | ++ (SL P) | ++ | ++ (SL P) | ++++ | ++ | ++ (SL P) |
| | | 72 hours @ RT | ++++ | ++++ | ++ | +++ (CF) | +++ (CF) | ++ (SL P) | ++ | +++ (CF) | ++++ | ++ | ++ (SL P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ | +++ (P) | ++++ | +++ (CF) | ++ | ++++ | ++++ | ++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | ++++ | ++ (CF) | +++ (CF) |
| | LV750 | 30 min @ RT | ++++ | ++ (P) | - | - | + | - | - | + | ++++ | - | - |
| | | 24 hour @ RT | ++++ | ++ (P) | - | - | + | - | + | + | ++++ | + | - |
| | | 72 hours @ RT | ++++ | ++ (P) | + | - | ++ (SL P) | - | + | + | ++++ | + | - |
| | | 2 Weeks @ RT | ++++ | ++++ | + | - | +++ | - | + | + | ++++ | + | - |
| | | 1 week @ 140°F | ++++ | ++++ | +++ | + | +++ | + | ++ | +(SL P) | ++++ | +++ (SL P) | + |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++++ | ++++ | ++ | +++ | + | ++ (SL P) | + | +++ (CF, P) | ++++ | ++ | +++ (CF, P) |
| | | 24 hour @ RT | ++++ | ++++ | +++ | +++ (CF, SL P) | ++ | ++ (SL P) | +++ (CF, SL P) | +++ (CF, P) | ++++ | +++ (SL P) | ++++ (CF) |
| | | 72 hours @ RT | ++++ | ++++ | +++ | +++ (CF, SL P) | +++ (SL P) | ++ (SL P) | ++++ (CF) | +++ (P) | ++++ | +++ (SL P) | ++++ (CF) |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (SL P) | ++++ | +++ (SL P) | ++ (SL P) | ++++ | ++++ | ++++ | +++ (CF, SL P) | ++++ (CF) |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | ++ (CF) | ++ (CF) | + | ++++ | +++ (CF, P) | ++++ | +++ (CF, P) | ++ (CF, SL P) |
| | LV820 4.0 mil | 30 min @ RT | ++++ | ++++ | +++ | +++ (CF, SL P) | ++ | +++ (SL P) | +++ | +++ (CF, P) | ++++ | +++ | ++++ (CF) |
| | | 24 hour @ RT | ++++ | ++++ | +++ (CF) | +++ (CF, AT) | +++ | +++ (SL P) | ++++ | +++ (P) | ++++ | ++++ | ++++ (CF) |
| | | 72 hours @ RT | ++++ | ++++ | +++ (CF, AT) | +++ (CF, P) | +++ (CF, P) | +++ (CF, SL P) | ++++ (CF) | ++++ | ++++ | ++++ | ++++ (CF) |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (AT) | +++ (CF) | +++ (CF) | +++ (CF, P) | ++++ | ++++ | ++++ | +++ (AT) | ++++ (CF) |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | +++ (CF) | +++ (CF) | ++ (CF, SL P) | ++++ | +++ (CF, P) | ++++ | +++ (CF, P) | +++ (CF, P) |
| | LV840 | 30 min @ RT | ++++ | ++++ | ++ | ++ | + | + | ++ | ++ (P) | ++++ | ++ | ++ (CF, P) |
| | | 24 hour @ RT | ++++ | ++++ | ++ | ++ (SL P) | ++ | + | +++ (CF, SL P) | ++ (SL P) | ++++ | ++ (SL P) | ++ (CF, P) |
| | | 72 hours @ RT | ++++ | ++++ | ++ | ++ (SL P) | +++ (SL P) | + | ++++ (CF) | ++ (SL P) | ++++ | ++ (CF, SL P) | ++ (CF, P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ | ++++ | +++ (SL P) | ++++ (CF) | ++++ | +++ (P) | ++++ | +++ (CF, P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF, SL P) | ++ (CF, AT) | ++ | +(SL P) | ++++ | +++ (P) | ++++ | ++++ | ++ (SL P) |
| LV860 | 30 min @ RT | ++++ | ++++ | + | +++ | + | ++ (SL P) | + | +++ (P) | ++++ | + | +++ (P) | |
| | 24 hour @ RT | ++++ | ++++ | + | ++++ | +++ | ++ (SL P) | ++ | +++ (P) | ++++ | ++ (SL P) | ++++ | |
| | 72 hours @ RT | ++++ | ++++ | +++ (CF) | ++++ | +++ (CF, P) | ++ (SL P) | ++++ (CF) | ++++ | ++++ | ++ (CF, SL P) | ++++ | |
| | 2 Weeks @ RT | ++++ | ++++ | +++ (CF) | ++++ | +++ (CF, P) | +++ (P) | ++++ | ++++ | ++++ | ++++ | ++++ | |
| | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | ++ (CF) | +++ (CF) | +(SL P) | ++++ | ++++ | ++++ | ++++ | ++ (SL P) | |
| LV850 | 30 min @ RT | ++++ | +++ (P) | - | ++ | + | ++ | + | +++ (SL P) | ++++ | - | + | |
| | 24 hour @ RT | ++++ | +++ (P) | + | ++++ | + | ++ (SL P) | ++ | +++ (SL P) | ++++ | ++ | +++ (P) | |
| | 72 hours @ RT | ++++ | +++ (P) | + | ++++ | +++ (CF) | ++ (SL P) | ++ | ++++ | ++++ | +++ (P) | +++ (P) | |
| | 2 Weeks @ RT | ++++ | ++++ | + | ++++ | +++ (CF, P) | ++ (SL P) | +++ (SL P) | ++++ | ++++ | ++++ | ++++ | |
| | 1 week @ 140°F | ++++ | ++++ | +++ | ++++ | +++ (CF, P) | ++ (SL P) | +++ (P) | ++++ | ++++ | +++ (CF, P) | ++ | |

Key
 +++++ Foam Destruction
 +++ Very Aggressive
 ++ Aggressive
 + Mild
 - Poor
 SL P Slight Picking 20%
 P Picking 20-50%
 CF Cohesive Failure
 CF & P Cohesive Failure & Picking

Mactac® Adhesion Testing on Armacell Foam Grades

| | | 1800 NBR/PVC | | MLC-2 NBR/PVC | | APH NBR/PVC | | ALC NBR/PVC | | IG1 NBR/PVC/CR | | |
|-------------------|----------------|----------------|-----------|---------------|----------------|-------------|-----------|----------------|----------------|----------------|------------|-----------|
| Formula | Dwell | Skin | Cut | Skin | Cut | Skin | Cut | Skin | Cut | Skin | Cut | |
| Rubber Adhesives | LV790 | 30 min @ RT | ++++ | ++ (P) | ++ | +++ (P) | ++++ | ++ (P) | - | - | + | +(SL P) |
| | | 24 hour @ RT | ++++ | ++ (P) | ++++ | +++ (P) | ++++ | ++ (p) | - | - | + | +(SL P) |
| | | 72 hours @ RT | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | - | - | ++ (SL P) | +(SL P) |
| | | 2 Weeks @ RT | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | - | - | +(SL P) | +(SL P) |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | +(SL P) | +(SL P) | ++++ (CF) | +(SLP) |
| | LV780 | 30 min @ RT | ++++ | ++++ | +++ (P) | ++++ | ++++ | ++++ | + | ++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++++ (CF) | ++++ | ++++ | ++++ | ++ | ++ | ++++ | +++ (P) |
| | | 72 hours @ RT | ++++ | ++++ | ++++ (CF) | ++++ | ++++ | ++++ | ++ | +++ (CF) | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++ | +++ (SL P) | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | ++++ | ++++ | ++++ | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) |
| | LV750 | 30 min @ RT | ++++ | ++ (P) | ++ | ++++ | ++++ | +++ (P) | - | - | + | +(SL P) |
| | | 24 hour @ RT | ++++ | ++ (P) | ++ (P) | ++++ | ++++ | +++ (P) | - | - | ++ (P) | ++ (SL P) |
| | | 72 hours @ RT | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | - | - | ++ (P) | ++ (SL P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | - | - | ++ (P) | ++ (SL P) |
| | | 1 week @ 140°F | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | + | - | ++++ | ++++ |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++ (P) | ++ (P) | +++ | ++++ | ++++ | ++++ | + | ++ | ++ (SL P) | ++ (P) |
| | | 24 hour @ RT | ++++ | +++ (P) | +++ (SL P) | ++++ | ++++ | ++++ | ++ (CF) | +++ (CF, SL P) | ++ (SL P) | ++ (P) |
| | | 72 hours @ RT | ++++ | +++ (P) | ++++ | ++++ | ++++ | ++++ | ++ (CF) | +++ (CF, SL P) | ++ (SL P) | ++ (P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ (CF) | ++++ | ++++ | ++++ | ++ (CF) | +++ (AT) | ++ (SL P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++ (CF) | ++ (CF) | ++ (CF) | ++++ |
| | LV820 4.0 mil | 30 min @ RT | ++++ | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++ | +++ | +++ (SL P) | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++++ (CF) | ++++ | ++++ | ++++ | +++ (CF) | +++ (AT, SL P) | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | ++++ (AT) | ++++ | ++++ | ++++ | +++ (CF) | +++ (AT, SL P) | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ (AT) | ++++ | ++++ | ++++ | +++ (CF, SL P) | ++++ (AT) | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | +++ (CF) | +++ (CF, SL P) | +++ (CF) | ++++ |
| | LV840 | 30 min @ RT | ++ (SL P) | +(SL P) | ++ | ++++ | +++ (P) | ++ (SL P) | + | ++ | + | + |
| | | 24 hour @ RT | ++++ | +(SL P) | ++ | ++++ | +++ (P) | +++ (P) | ++ | ++ (SL P) | + | + |
| | | 72 hours @ RT | ++++ | +(SL P) | +++ (CF, SL P) | ++++ | ++++ | +++ (P) | ++ | ++ (SL P) | ++ (P) | +(SL P) |
| | | 2 Weeks @ RT | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | +++ (CF) | ++ (SL P) | ++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | ++ (SL P) | ++ (SL P) | +(SL P) | ++++ |
| LV860 | 30 min @ RT | ++++ | ++ (P) | ++ | ++++ | ++++ | ++++ | + | + | + | ++ (SL P) | |
| | 24 hour @ RT | ++++ | ++ (P) | ++ | ++++ | ++++ | ++++ | ++ | +++ (CF, SL P) | + | +++ (P) | |
| | 72 hours @ RT | ++++ | ++ (P) | ++++ | ++++ | ++++ | ++++ | +++ | +++ (CF, SL P) | + | +++ (P) | |
| | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | +++ (CF, SL P) | ++++ | + | ++++ | |
| | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | +++ (CF, SL P) | ++(CF, SL P) | +(SL P) | ++++ | |
| LV850 | 30 min @ RT | + | ++ (SL P) | + | ++++ | ++ (SL P) | ++ (SL P) | + | + | + | ++ (SL P) | |
| | 24 hour @ RT | ++ (P) | ++ (SL P) | ++ | ++++ | ++++ | +++ (P) | + | +++ (CF, SL P) | + | ++ (SL P) | |
| | 72 hours @ RT | ++++ | ++ (SL P) | ++++ | ++++ | ++++ | +++ (P) | ++ | +++ (CF, SL P) | ++ (P) | ++ (P) | |
| | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++ (CF) | ++++ | +(SL P) | ++++ | |
| | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | + | +++ (CF, P) | +(SL P) | ++++ | |

Key
 ++++ Foam Destruction
 +++ Very Aggressive
 ++ Aggressive
 + Mild
 - Poor

SL P Slight Picking 20%
 P Picking 20-50%
 CF Cohesive Failure
 CF & P Cohesive Failure & Picking

Mactac® Adhesion Testing on Armacell Foam Grades

| | | GIC NBR/PVC | | IV3 NBR/PVC/CR | | IV1 NBR/PVC/CR | | IG2 NBR/PVC/CR | | IGB NBR/PVC/CR | | |
|-------------------|----------------|----------------|------------|----------------|------------|----------------|----------------|----------------|-----------|----------------|----------------|-----------|
| Formula | Dwell | Skin | Cut | Skin | Cut | Skin | Cut | Skin | Cut | Skin | Cut | |
| Rubber Adhesives | LV790 | 30 min @ RT | + | ++ (P) | - | - | - | - | - | - | ++ | +(SL P) |
| | | 24 hour @ RT | ++ (SL P) | ++++ | - | - | - | + | + | - | +++ | + |
| | | 72 hours @ RT | ++ (SL P) | ++ (P) | - | - | - | +(SL P) | +(SL P) | + | ++++ | ++ (SL P) |
| | | 2 Weeks @ RT | ++++ | ++ (P) | - | - | - | +(SL P) | +(SL P) | + | ++++ | ++ (SL P) |
| | | 1 week @ 140°F | ++++ | ++++ | + | + | +(SL P) | ++ (P) | ++ (CF) | ++ (SL P) | +++ (CF, SL P) | ++ (SL P) |
| | LV780 | 30 min @ RT | +++ (SL P) | ++++ | + | + | + | ++++ | ++ | +++ (SL P) | +++ (SL P) | +++ (P) |
| | | 24 hour @ RT | ++++ | ++++ | + | + | + | ++++ | +++ (CF) | +++ (SL P) | ++++ | +++ (P) |
| | | 72 hours @ RT | ++++ | ++++ | + | ++ | ++ (CF, SL P) | ++++ | +++ (CF) | +++ (SL P) | ++++ | +++ (P) |
| | | 2 Weeks @ RT | ++++ | ++++ | + | +++ (P) | +++ (CF, SL P) | ++++ | +++ (CF) | ++++ | ++++ | +++ (P) |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) | +++ (CF) |
| | LV750 | 30 min @ RT | + | +(SL P) | - | - | - | - | + | - | ++ | + |
| | | 24 hour @ RT | +(P) | ++ (P) | - | - | + | - | + | + | ++ | + |
| | | 72 hours @ RT | +(P) | ++ (P) | - | - | + | + | + | + | ++ (SL P) | + |
| | | 2 Weeks @ RT | ++ (P) | ++ (P) | - | - | + | +(SL P) | + | + | ++ (SL P) | + |
| | | 1 week @ 140°F | ++++ | +++ (P) | + | + | ++ (SL P) | +(SL P) | ++ | ++ | ++ (CF, SL P) | ++ (SL P) |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++ (SL P) | +++ (P) | + | ++ | ++ (SL P) | ++++ | ++ | ++ (SL P) | + | ++ (SL P) |
| | | 24 hour @ RT | ++++ | ++++ | ++ (CF) | +++ (CF, SL P) | +++ (CF, SL P) | ++++ | + | ++ (SL P) | ++ | ++ (P) |
| | | 72 hours @ RT | ++++ | ++++ | ++ (CF) | +++ (CF, SL P) | +++ (CF, P) | ++++ | + | ++ (SL P) | ++ | ++ (P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ (CF) | ++++ | ++++ | ++++ | + | ++ (P) | ++ | ++ (P) |
| | | 1 week @ 140°F | ++++ | ++++ | ++ (CF) | +(CF) | +++ (CF, P) | +++ (CF, SL P) | +(CF) | +(CF) | ++ (CF) | + |
| | LV820 4.0 mil | 30 min @ RT | +++ (P) | ++++ | ++ | +++ (SL P) | +++ (SL P) | ++++ | ++ | +++ (P) | ++ | +++ (P) |
| | | 24 hour @ RT | ++++ | ++++ | +++ (CF) | +++ (CF, P) | ++++ | ++++ | ++ | +++ (P) | +++ | +++ (P) |
| | | 72 hours @ RT | ++++ | ++++ | +++ (CF) | +++ (CF, P) | ++++ | ++++ | +++ | +++ (P) | +++ (CF, P) | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (CF) | ++++ (AT) | ++++ | ++++ | +++ | ++++ | +++ (CF, P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | +++ (CF) | +++ (CF, P) | +++ (CF, SL P) | ++ (CF) | ++ (CF) | +++ (CF) | ++ (CF) |
| | LV840 | 30 min @ RT | ++ (SL P) | ++ (P) | + | ++ | ++ | ++++ | + | ++ | ++ | + |
| | | 24 hour @ RT | ++++ | +++ (P) | + | ++ | ++ (SL P) | ++++ | + | ++ | ++ | ++ (SL P) |
| | | 72 hours @ RT | ++++ | +++ (P) | + | ++ | ++++ | ++++ | + | ++ | ++ | ++ (SL P) |
| | | 2 Weeks @ RT | ++++ | ++++ | + | +++ (P) | ++++ | ++++ | + | +(SL P) | ++ | ++ (SL P) |
| | | 1 week @ 140°F | ++++ | ++++ | ++ (SL P) | ++ (SL P) | +++ (P) | ++++ | + | + | +(CF) | - |
| LV860 | 30 min @ RT | ++ (SL P) | ++++ | + | ++ | + | ++++ | + | ++ (SL P) | + | ++ (SL P) | |
| | 24 hour @ RT | ++++ | ++++ | + | +++ (P) | ++ (SL P) | ++++ | + | ++ (SL P) | ++ | +++ (SL P) | |
| | 72 hours @ RT | ++++ | ++++ | ++ | +++ (P) | ++++ | ++++ | + | ++ (SL P) | ++ | ++ (SL P) | |
| | 2 Weeks @ RT | ++++ | ++++ | ++ (CF) | ++++ | ++++ | ++++ | + | ++ (P) | ++ (SL P) | ++ (SL P) | |
| | 1 week @ 140°F | ++++ | ++++ | +++ (CF) | +(CF) | ++++ | +++ (CF, P) | + | ++ | +(CF) | + | |
| LV850 | 30 min @ RT | +(SL P) | ++ (SL P) | - | ++ (SL P) | + | ++++ | + | + | + | + | |
| | 24 hour @ RT | ++ (SL P) | +++ (P) | + | ++ (SL P) | ++ | ++++ | + | ++ | + | ++ (SL P) | |
| | 72 hours @ RT | ++++ | ++++ | + | ++ (SL P) | +++ (P) | ++++ | + | ++ (SL P) | + | ++ (SL P) | |
| | 2 Weeks @ RT | ++++ | ++++ | ++ | +++ (P) | +++ (P) | ++++ | + | ++ (SL P) | + | ++ (SL P) | |
| | 1 week @ 140°F | ++++ | ++++ | ++ | +++ (SL P) | ++ (SL P) | ++++ | + | + | ++ | + | |

Key
 +++++ Foam Destruction
 +++ Very Aggressive
 ++ Aggressive
 + Mild
 - Poor

SL P Slight Picking 20%
 P Picking 20-50%
 CF Cohesive Failure
 CF & P Cohesive Failure & Picking

Mactac® Adhesion Testing on ARPlank Foam Grades

| | Formula | Dwell | EPP 28 | EPP 19 | EPE 23 | EPE 46 |
|-------------------|------------------|----------------|---------------|-------------|-------------|----------------|
| Rubber Adhesives | LV790 | 30 min @ RT | + | + | ++ (SL P) | ++ |
| | | 24 hour @ RT | + | + | ++ (SL P) | ++ (SL P) |
| | | 72 hours @ RT | ++ | + | ++ (SL P) | +++ (SL P) |
| | | 2 Weeks @ RT | ++ (SL P) | ++ (SL P) | ++ (SL P) | +++ (SL P) |
| | | 1 week @ 140°F | ++ (SL P) | ++ (SL P) | ++ (P) | ++++ |
| | LV780 | 30 min @ RT | ++ (P) | ++ (SL P) | ++++ | +++ (SL P) |
| | | 24 hour @ RT | ++ (CF, SL P) | +++ (CF, P) | ++++ | +++ (CF, SL P) |
| | | 72 hours @ RT | ++++ | +++ (CF, P) | ++++ | +++ (CF, SL P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ (CF) |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ |
| | LV750 | 30 min @ RT | + | + | ++ | ++ |
| | | 24 hour @ RT | + | + | ++ | ++ |
| | | 72 hours @ RT | + | + | ++ | ++ |
| | | 2 Weeks @ RT | + | + | ++ | ++ |
| | | 1 week @ 140°F | ++ | ++ (SL P) | ++ (SL P) | ++++ |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | + | + | ++++ | + |
| | | 24 hour @ RT | + | + | ++++ | +(P) |
| | | 72 hours @ RT | +(SL P) | ++ (SL P) | ++++ | ++ (SL P) |
| | | 2 Weeks @ RT | +(SL P) | ++ (SL P) | ++++ | ++++ |
| | | 1 week @ 140°F | +(SL P) | ++ (SL P) | ++++ | ++++ (CF) |
| | LV820 4.0 mil | 30 min @ RT | ++ (SL P) | +++ (SL P) | ++++ | +++ |
| | | 24 hour @ RT | +++ (P) | +++ (P) | ++++ | +++ (AT, P) |
| | | 72 hours @ RT | +++ (P) | +++ (P) | ++++ | +++ (AT, P) |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ (AT) |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ (AT) |
| | LV840 | 30 min @ RT | + | - | +(SL P) | + |
| | | 24 hour @ RT | + | - | +(SL P) | +(SL P) |
| | | 72 hours @ RT | + | - | +(SL P) | +(SL P) |
| | | 2 Weeks @ RT | + | - | ++ (SL P) | +++ (P) |
| | | 1 week @ 140°F | + | + | ++ (P) | +++ (P) |
| LV860 | 30 min @ RT | +++ (SL P) | +(SL P) | ++++ | +++ (P) | |
| | 24 hour @ RT | +++ (SL P) | +(SL P) | ++++ | +++ (CF, P) | |
| | 72 hours @ RT | +++ (SL P) | +(SL P) | ++++ | ++++ | |
| | 2 Weeks @ RT | +++ (P) | ++ (SL P) | ++++ | ++++ | |
| | 1 week @ 140°F | +++ (P) | ++ (SL P) | ++++ | ++++ | |
| LV850 | 30 min @ RT | + | + | ++ (SL P) | ++ | |
| | 24 hour @ RT | + | + | ++ (SL P) | ++ (P) | |
| | 72 hours @ RT | ++ (SL P) | +(SL P) | +++ (P) | ++++ | |
| | 2 Weeks @ RT | ++ (SL P) | +(SL P) | ++++ | ++++ | |
| | 1 week @ 140°F | ++ (P) | +(SL P) | ++++ | ++++ | |

| | | | |
|------------|------------------|--------|----------------------------|
| Key | | | |
| ++++ | Foam Destruction | SL P | Slight Picking 20% |
| +++ | Very Aggressive | P | Picking 20-50% |
| ++ | Aggressive | CF | Cohesive Failure |
| + | Mild | CF & P | Cohesive Failure & Picking |
| - | Poor | | |

Mactac® Adhesion Testing on World Wide Foam Grades

| | Formula | Dwell | Foam Dunnage | | | | Foam in Battery | | |
|-------------------|----------------|----------------|--------------|------------|------------|-----------------------------|-----------------|--------------------------|-------------|
| | | | SC-30 XLPE | SC-41 XLPE | SC-61 XLPE | XP-18UL FIRE RETARDANT XLPE | 3091 EPDM | XE-20 XLPE CHEMICAL ROLL | XEV-20 XLPE |
| Rubber Adhesives | LV790 | 30 min @ RT | ++ (P) | ++ (P) | + (SL P) | ++ (SL P) | ++ (P) | +++ (P) | ++ (P) |
| | | 24 hour @ RT | ++ (P) | ++ (P) | + (SL P) | +++ (SL P) | ++ (P) | ++ (SL P) | ++ (P) |
| | | 72 hours @ RT | ++ (P) | ++ (P) | + (SL P) | ++++ | ++ (P) | ++ (SL P) | ++ (P) |
| | | 2 Weeks @ RT | +++ (P) | ++ (P) | + (SL P) | ++++ | ++++ | ++ (SL P) | ++ (P) |
| | | 1 week @ 140°F | ++++ | +++ (P) | + (SL P) | ++++ | ++ (P) | ++ (SL P) | ++ (SL P) |
| | LV780 | 30 min @ RT | ++++ | +++ (P) | ++ (SL P) | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ (P) | ++++ | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (P) | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (P) | ++++ | ++++ (CF) | ++++ | ++++ |
| | LV750 | 30 min @ RT | + (SL P) | ++ (P) | + (SL P) | + (SL P) | + (SL P) | ++ (SL P) | + (SL P) |
| | | 24 hour @ RT | ++ (P) | + (SL P) | + (SL P) | ++ (SL P) | + (SL P) | + (SL P) | + (SL P) |
| | | 72 hours @ RT | ++ (P) | + (SL P) | + (SL P) | ++ (SL P) | ++++ | + (SL P) | + (P) |
| | | 2 Weeks @ RT | ++ (P) | ++ (SL P) | + (SL P) | ++++ | ++++ | + (SL P) | ++ (P) |
| | | 1 week @ 140°F | ++ (P) | + (SL P) | + (SL P) | ++++ | ++ (P) | + (SL P) | + (SL P) |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++++ | + | - | ++++ | ++++ | - | +++ (P) |
| | | 24 hour @ RT | ++++ | + | - | ++++ | ++++ | - | +++ (P) |
| | | 72 hours @ RT | ++++ | + (SL P) | - | ++++ | ++++ | - | +++ (P) |
| | | 2 Weeks @ RT | ++++ | + (SL P) | - | ++++ | ++++ | - | +++ (P) |
| | | 1 week @ 140°F | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | + (SL P) | +++ (P) |
| | LV820 4.0 mil | 30 min @ RT | ++++ | + (SL P) | + | ++++ | ++++ | + | ++++ |
| | | 24 hour @ RT | ++++ | + (SL P) | + | ++++ | ++++ | + | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | + | ++++ | ++++ | ++ (P) | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ | ++++ | ++++ | ++ (P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++ (SL P) | ++++ | ++++ | ++ (P) | ++++ |
| | LV840 | 30 min @ RT | ++++ | - | - | ++++ | ++ (P) | - | ++ (SL P) |
| | | 24 hour @ RT | ++++ | - | - | ++++ | ++ (P) | - | ++ (SL P) |
| | | 72 hours @ RT | ++++ | - | - | ++++ | ++++ | - | + (SL P) |
| | | 2 Weeks @ RT | ++++ | - | - | ++++ | ++++ | - | + (SL P) |
| | | 1 week @ 140°F | ++++ | + | + | ++++ | ++++ | - | + (SL P) |
| LV860 | 30 min @ RT | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | + (SL P) | +++ (P) | |
| | 24 hour @ RT | ++++ | + | + (SL P) | ++++ | ++++ | + (SL P) | +++ (P) | |
| | 72 hours @ RT | ++++ | ++ (P) | + (SL P) | ++++ | ++++ | ++ (P) | +++ (P) | |
| | 2 Weeks @ RT | ++++ | ++ (P) | + (SL P) | ++++ | ++++ | ++ (P) | +++ (P) | |
| | 1 week @ 140°F | ++++ | ++ (P) | + (SL P) | ++++ | ++++ | ++ (P) | +++ (P) | |
| LV850 | 30 min @ RT | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | + (SL P) | ++ (P) | |
| | 24 hour @ RT | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | + (SL P) | ++ (P) | |
| | 72 hours @ RT | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | ++ (P) | ++ (P) | |
| | 2 Weeks @ RT | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | ++ (P) | ++ (P) | |
| | 1 week @ 140°F | ++++ | + (SL P) | + (SL P) | ++++ | ++++ | ++ (P) | ++ (SL P) | |

Key
 +++++ Foam Destruction
 +++ Very Aggressive
 ++ Aggressive
 + Mild
 - Poor
 SLP Slight Picking 20%
 P Picking 20-50%
 CF Cohesive Failure
 CF & P Cohesive Failure & Picking

Mactac® Adhesion Testing on Rogers Corporation Foam Grades

| Formula | Dwell | 40V0 - 12236 - 04 23 - 7 - 45 CAST UL-V0 PU | 40V0 - 12236 - 04 23 - 7 - 45 TOP UL-V0 PU | 43-20PCF PORON | 43-16PCF PORON | 4701-41-15500- 04 PORON | 4701-30-15500- 04 PORON | 4790-92-15500- 04 P ORON | |
|-------------------|------------------|---|--|-------------------|-------------------|-------------------------------|-------------------------------|--------------------------------|--------|
| Rubber Adhesives | LV790 | 30 min @ RT | - | + (SL P) | + | - | - | - | + |
| | | 24 hour @ RT | - | + (SL P) | + | - | - | - | ++ (P) |
| | | 72 hours @ RT | + | + (SL P) | + | - | - | - | ++++ |
| | | 2 Weeks @ RT | + | ++ (P) | + | - | - | ++ (P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | LV780 | 30 min @ RT | ++++ | ++++ | +++ (CF) | +++ (SL P) | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | +++ (CF, SL P) | +++ (SL P) | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ (CF, SL P) | +++ (SL P) | + | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | + | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | + (SL P)) | ++++ | ++++ |
| | LV750 | 30 min @ RT | - | - | + | - | - | - | ++++ |
| | | 24 hour @ RT | - | + (SL P) | + | - | - | - | - |
| | | 72 hours @ RT | + | + (SL P) | + | - | - | - | - |
| | | 2 Weeks @ RT | + (SL P) | ++ (P) | ++ | + | - | - | - |
| | | 1 week @ 140°F | - | + (SL P) | ++++ | ++++ | - | ++++ | ++++ |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++++ | ++++ | +++ | +++ (SL P) | ++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | +++ | +++ (SL P) | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ | +++ (P) | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (SL P) | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (AT) | ++++ | ++++ | ++++ | ++++ |
| | LV820 4.0 mil | 30 min @ RT | ++++ | ++++ | +++ | +++ (SL P) | +++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | +++ | +++ (SL P) | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ | +++ (P) | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ (CF) | +++ (AT, P) | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | +++ (AT) | ++++ | ++++ | ++++ | ++++ |
| | LV840 | 30 min @ RT | ++++ | ++++ | ++ | +++ (P) | ++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++ | +++ (P) | +++ (P) | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | ++ | +++ (P) | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ | +++ (P) | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | LV860 | 30 min @ RT | ++++ | ++++ | ++ | ++ | + | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++ | ++ | + | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ | ++ (SL P) | + | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | +++ | ++ (P) | ++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| LV850 | 30 min @ RT | ++++ | +++ (P) | + | + | - | + | + | |
| | 24 hour @ RT | ++++ | ++++ | ++ | ++ | - | ++ (P) | ++++ | |
| | 72 hours @ RT | ++++ | ++++ | ++ | ++ | - | ++++ | ++++ | |
| | 2 Weeks @ RT | ++++ | ++++ | ++ | ++ (SL P) | + | ++++ | ++++ | |
| | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ | |

Key
 +++++ Foam Destruction SLP Slight Picking 20%
 +++ Very Aggressive P Picking 20-50%
 ++ Aggressive CF Cohesive Failure
 + Mild CF & P Cohesive Failure & Picking
 - Poor

Mactac® Adhesion Testing on Bergad Foam Grades

| Formula | | Dwell | 4811V | 2604V | 6032 | 5018 | 2130 | 3015 |
|-------------------|----------------|----------------|-----------|---------|------------|-----------|----------------|------------|
| Rubber Adhesives | LV790 | 30 min @ RT | - | - | - | - | - | - |
| | | 24 hour @ RT | - | - | - | - | - | - |
| | | 72 hours @ RT | - | - | - | - | - | - |
| | | 2 Weeks @ RT | - | - | - | - | - | - |
| | | 1 week @ 140°F | - | - | - | - | - | - |
| | LV780 | 30 min @ RT | ++ (SL P) | + | - | ++ (SL P) | ++ | ++ (SL P) |
| | | 24 hour @ RT | - | +(SL P) | - | ++ (SL P) | ++++ | + |
| | | 72 hours @ RT | - | +(SL P) | - | +++ (P) | ++ (SL P) | + |
| | | 2 Weeks @ RT | - | ++ (P) | - | +++ (P) | + | + |
| | | 1 week @ 140°F | - | +++ (P) | +(SL P) | ++++ | ++++ | ++ (CF, P) |
| | LV750 | 30 min @ RT | - | - | - | - | - | - |
| | | 24 hour @ RT | - | - | - | - | - | - |
| | | 72 hours @ RT | - | - | - | - | - | - |
| | | 2 Weeks @ RT | - | - | - | - | - | - |
| | | 1 week @ 140°F | - | - | - | - | - | - |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++++ | ++++ | ++++ | ++++ | +(SL P) | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++++ | ++++ | ++++ (CF) | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++ (CF, P) | ++++ |
| | LV820 4.0 mil | 30 min @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++++ | ++++ | ++++ (CF_) | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | ++++ |
| | LV840 | 30 min @ RT | ++++ | ++++ | +++ (P) | ++++ | ++ (CF, SL P) | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | +++ (P) | ++++ | +++ (CF, SL P) | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | +++ (P) | ++++ | +++ (SL P) | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ (SL P) | ++++ | ++ (SL P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++ (SL P) | ++++ | +++ (CF, SL P) | ++++ |
| | LV860 | 30 min @ RT | ++++ | ++++ | ++ (SL P) | ++++ | ++ (CF, SL P) | ++++ |
| | | 24 hour @ RT | ++++ | ++++ | ++ (SL P) | ++++ | ++ (CF, SL P) | ++++ |
| | | 72 hours @ RT | ++++ | ++++ | ++ (SL P) | ++++ | ++ (SL P) | ++++ |
| | | 2 Weeks @ RT | ++++ | ++++ | ++ (SL P) | ++++ | ++ (SL P) | ++++ |
| | | 1 week @ 140°F | ++++ | ++++ | ++ (SL P) | ++++ | ++ (CF, SL P) | +++ (P) |
| LV850 | 30 min @ RT | +++ (SL P) | ++ (SL P) | + | ++ (SL P) | +(SL P) | +(SL P) | |
| | 24 hour @ RT | +++ (SL P) | ++ (SL P) | + | +++ (SL P) | +(SL P) | +(SL P) | |
| | 72 hours @ RT | +++ (SL P) | ++ (SL P) | + | ++ (SL P) | +(SL P) | ++ (SL P) | |
| | 2 Weeks @ RT | ++ (SL P) | ++ (SL P) | + | ++ (SL P) | +(SL P) | ++ (SL P) | |
| | 1 week @ 140°F | ++++ | ++ (SL P) | + | ++ (SL P) | +(SL P) | +(SL P) | |

Key
 +++++ Foam Destruction SLP Slight Picking 20%
 +++ Very Aggressive P Picking 20-50%
 ++ Aggressive CF Cohesive Failure
 + Mild CF & P Cohesive Failure & Picking
 - Poor

Mactac® Adhesion Testing on Neograf Solution, LLC eGraf® SpreaderShield™

| Formula | | Dwell | TG-829CR-0.040 | SS400-0.51-P1GP1 | SS600-0.127 | SS400-0.94 | SS400-0.51 | SS400-0.25 |
|-------------------|----------------|----------------|----------------|------------------|-------------|------------|------------|------------|
| Rubber Adhesives | LV790 | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | +++ | ++++ | ++++ | ++++ | |
| | | 72 hours @ RT | ++++ | +++ | ++++ | ++++ | ++++ | |
| | | 2 Weeks @ RT | ++++ | ++++ | ++++ | ++++ | ++++ | |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | |
| | LV780 | 30 min @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | LV750 | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | +++ | ++++ | ++++ | ++++ | ++++ |
| | | 72 hours @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 2 Weeks @ RT | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| | | 1 week @ 140°F | ++++ | +++ (CF) | ++++ | ++++ | ++++ | ++++ |
| Acrylic Adhesives | LV820 2.0 mil | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++ | ++++ | ++++ | ++++ | |
| | | 72 hours @ RT | ++++ | ++ | ++++ | ++++ | ++++ | |
| | | 2 Weeks @ RT | ++++ | ++ | ++++ | ++++ | ++++ | |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | |
| | LV820 4.0 mil | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++ (CF) | ++++ | ++++ | ++++ | |
| | | 72 hours @ RT | ++++ | ++ (CF) | ++++ | ++++ | ++++ | |
| | | 2 Weeks @ RT | ++++ | ++ (CF) | ++++ | ++++ | ++++ | |
| | | 1 week @ 140°F | ++++ | ++++ | ++++ | ++++ | ++++ | |
| | LV840 | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ |
| | | 24 hour @ RT | ++++ | ++ | ++++ | ++++ | ++++ | |
| | | 72 hours @ RT | ++++ | ++ | ++++ | ++++ | ++++ | |
| | | 2 Weeks @ RT | ++++ | ++ (CF) | ++++ | ++++ | ++++ | |
| | | 1 week @ 140°F | ++++ | ++ | ++++ | ++++ | ++++ | |
| LV860 | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ | |
| | 24 hour @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 72 hours @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 2 Weeks @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 1 week @ 140°F | ++++ | +++ | ++++ | ++++ | ++++ | | |
| LV850 | 30 min @ RT | ++++ | ++ | ++++ | ++++ | ++++ | ++++ | |
| | 24 hour @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 72 hours @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 2 Weeks @ RT | ++++ | +++ | ++++ | ++++ | ++++ | | |
| | 1 week @ 140°F | ++++ | +++ (CF) | ++++ | ++++ | ++++ | | |

Key
 +++++ Foam Destruction
 +++ Very Aggressive
 ++ Aggressive
 + Mild
 - Poor
 SL P Slight Picking 20%
 P Picking 20-50%
 CF Cohesive Failure
 CF & P Cohesive Failure & Picking



Materials Guide for EV

Engineered Tapes & Laminates

For Regulatory Information, please visit www.mactac.com for all product regulatory compliance.
For Quality information, please visit www.mactac.com/quality for all manufacturing site ISO 9001 certificates.

For Technical Data Sheets please visit www.mactac.com/industrialtapes.

Mactac is a member of the following organizations:
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