

# Durables & Drum Labelstocks

## Pressure Sensitive Paper & Film



### Durable & Drum Labelstock are for:

- Drums, barrels and shipping container labels
- Hazardous materials containers
- Electronics
- Automotive
- Medical

### Special features:

- High-tack and low ooze adhesives
- High-temperature resistance
- Chemical resistance
- UV resistance
- UL969 Recognized
- Good adhesion to high and low energy surfaces

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### BS5609 Approved Products

British Maritime Standard BS5609 is a drum and barrel test designed to certify that a label will stay affixed to a drum for at least three months in sea water, so that the contents are identifiable in the case of a shipwreck. It is important to note that BS5609 only tests and certifies drum labels, not other chemical containers or products. The label face and adhesive must be certified together – mixing and matching components does not meet approval. The liner is not part of the drum label, so liners are interchangeable for certification purposes.

#### **Products with certification for Part 2 – Marine and Laboratory Performance of Label Base Materials**

Part 2 approval is associated with the overall adhesion of the label to the drum.

#### **Products also with certification for Part 3 – Laboratory Performance of Printed Labels**

Part 3 approval is associated with the overall print integrity using specific inks and ribbon.

You can reference the certifications on our website for the inks that were tested with each substrate.

**Global Harmonized System of Classification and Labeling of Chemicals (GHS)** is a system that's been created by the United Nations for Standardizing the classification and labeling of chemicals throughout the world. In the US, OSHA is enforcing GHS by adopting into its Hazard Communication standards.

Chemical drums transporting dangerous goods are subject to stringent safety regulations. BS 5609 label certification is a specification for the durability of labels on chemical containers when being transported by merchant shipping. The labels and markings on containers shipped or stored in these marine environments must meet standards for adhesion, resistance to abrasion and print permanence. There are two key sections—Section 2 and 3. Section 2 details the tests to be carried out on the blank pressure-sensitive, adhesive-coated base material, and Section 3 deals with the printed label.

Applications include labeling of drums and containers used to transport petroleum, paint and liquid or powder chemicals that are designed to hold up under extreme conditions. These labels are typically used for content identification, warning and instructional labeling.

**Who is affected by GHS and who has to comply?** GHS affects any company that uses or has chemicals within the workplace. All employers who have hazardous materials or chemicals are required to have labels and safety data sheets for any employee who could possibly be exposed.

**For shipments within the continental United States:** Any ink will work for GHS, however as always it is recommended that the ink and label are tested for specific applications to insure it meets specifications.

**For shipments on international waters:** The IMDG (International Maritime Dangerous Goods) requires a BS 5609 certification. This British Standard requires resistance to marine immersion (salt water), weathering (UV exposure), temperature cycling and abrasion. The ink and label must be approved as a combination.

**Goals of GHS:**

- Improve SAFETY with the transportation and handling of Hazardous Materials
- Adoption of GHS brings the US up to the International Standard

**Mactac® Certification:** Mactac has received BS 5609 Section 2 and Section 3 label certification tested by third-party, Smithers Pira International, to provide our customers with a portfolio of solutions that can confidently meet recognized standards for durability and environmental resistance for chemical container labeling.

**Drum and GHS Labelstocks**

Print Method	Product Code	Facestock	Adhesive	Liner	BS 5609: 1986, Section 2	BS 5609: 1986, Section 3
THERMAL TRANSFER	41908	3.0 mil TC Matte White Polypropylene	C-122F™	3.2 SCK	√	
	41889	3.0 mil TC Matte White Polypropylene	Frostbite™	2.4 SCK	√	
	41878	PrimeScan® 90	BC-20™	2.4 SCK	√	
	41910	PrimeScan 90	C-122F	3.2 SCK	√	
	49192	PrimeScan	SFA™(2020)	2.4 SCK	√	
	41913	Kimdura® 70	C-122F	3.2 SCK	√	
	41915	Smudgeproof Kimdura FPG-80	C-122F	3.2 SCK	√	
	41909	3.3 mil Durable Polypropylene	C-122F	3.2 SCK	√	
	49189	3.3 mil Durable TT printable	SFA (2020)	2.4 SCK	√	
THERMAL TRANSFER & FLEXO	BDE6914	2.6 mil Matte White BOPP	MP690	3.2 SCK	√	√
	FCD6914	2.0 mil Gloss White Polyester	MP690	3.2 SCK	√	√
	PTW4511	2.3 mil Gloss White BOPP	705VHP	3.2 SCK	√	√
	VDG6911	3.4 mil Matte White Vinyl	MP690	3.2 SCK	√	√
	VDG9511	3.4 mil Matte White Vinyl	ST-95	3.2 SCK	√	
IMPACT & TT	DSS4501	3.0 mil Matte White Polyethylene	705VHP	2.45 SCK	√	
IMPACT & LASER	FDD6919N	2.0 mil Matte White Polyester	MP690	3.4 C1S	√	√
LASER	50263	3.2 mil TC White Vinyl	PRM-650	72# SCK	√	
	50249	2.5 mil TC Matte White Laser Polyester	BP-52	3.5 mil LF	√	
	45115	Laser Vinyl Drum Label	PDL-09	72#	√	
	50263	Laser Vinyl	PRM-650	72#	√	
Water-based INKJET	50205	4.5 mil Matte White Inkjet BOPP (Roll-to-Roll, Roll-to-Fan Fold)	SFA™	3.2 SCK	√	
	48909	Endura® Inkjet Durable Paper	C-122F	3.2 SCK	√	



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### Durable Labelstocks



### Comparison of Adhesive Ooze



**Competitive Labelstock**

**Mactac Low Ooze Labelstock\***

Durable Labelstocks featuring industry proven PAT1 and automotive approved P0066 aggressive acrylic adhesives for a converter-friendly balance of high initial tack and low edge bleed.

**PAT1** is a versatile, industry proven, low ooze permanent acrylic adhesive used in a wide variety of general durable applications and conditions with excellent mandrel hold, extreme chemical and solvent resistance and ultimate adhesion to various high and low energy substrates.

**P0066** is a low ooze acrylic adhesive with higher tack and ultimate adhesion designed for difficult to adhere to low energy textured surfaces.

Part Number	Facestock	Adhesive	Release Liner	UL Approved
FAD4954	2.0 mil Clear Gloss Polyester	PAT1	45# White Glassine	■
FCD4954	2.0 mil White Semi-Gloss Polyester	PAT1	50# White Glassine	■
FED4954	2.0 mil Bright Silver Polyester	PAT1	45# White Glassine	▲
FFD4954	2.0 mil Chemical Matte Silver Polyester	PAT1	45# White Glassine	■
LTC01229	2.2 mil White Matte Laser Polyester	PM	63# Ivory Kraft	-
LTC02025	2.0 mil Physical Matte Silver Polyester	PAT1	45# Blue Glassine	▲
LTC02573	2.0 mil Matte Silver VOID Polyester	PAT1	50# White Glassine	■
LTC02574	2.0 mil Bright Silver VOID Polyester	PAT1	60# Blue Glassine	▲
LTC09400	3.1 mil White YUPO Polypropylene	PAT1	60# Blue Glassine	▲
FCD0654	2.0 mil White Gloss Polyester	P0066	45# White Glassine	▲
FFD0654	2.0 mil Chemical Matte Silver Polyester	P0066	45# White Glassine	▲

▲ LINTEC UL Approved ■ Mactac UL Approved

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