

Hazardous Materials Labels

Automotive applications present a particularly hostile environment for product labels due to intense heat, abrasion, and exposure to harsh chemicals. However, an engineered solution, combining quality materials and expert conversion, offers customers more durable labels.

3M Resistant Materials

3M™ Thermal Transfer Polyester Durable Label Materials 7246 and 7247 feature outstanding resistance to chemicals and abrasion, without the need for a protective overlamine in most applications, thanks to a unique polyester-based topcoat.

3M™ Adhesive 350 provides a long-lasting bond to high- and low-energy plastics, textured and contoured surfaces, and even powder coatings and oily metals. Warning labels, barcodes, rating plates, you name it—these durable label materials will deliver enduring quality down the road.

Fabrico Converting Capabilities

Fabrico offers printing of consecutively numbered barcode labels, which enables customers to easily track inventory, thereby creating a more efficient assembly process. Fabrico can handle the full range of 3M label materials.

Fabrico uses an advanced digital technology system to print the barcode labels onto 3M Durable Label Material, using their Aquaflex ELS 2200 multi-color press printer. This digital technology system allows Fabrico to print a custom quantity of unique digits onto each label. Fabrico's labels are then die-cut and slit into rolls before being shipped to manufacturers.

Fabrico's Aquaflex is a multi-step manufacturing system that supports four-color process or four matched colors using water-based or UV-cured ink. The Aquaflex system accommodates pressure-sensitive materials up to 13" wide with thicknesses ranging from 0.001" to 0.015".



3M™ Durable Label Materials resist chemicals, and bond to high- and low-energy plastics, as well as textured and contoured surfaces.



Thanks to a unique polyester-based topcoat, labels printed by Fabrico on 3M Durable Label Materials resist harsh environments without the use of a protective overlamine.



Chemical Resistance

Chemical	Adhesion to Stainless Steel		Appearance	Edge Penetration
	N/10mm	Oz/In	Visual	Millimeters
Heptane	8.2	74	No change	3
Petrol	6.0	54	No change	3
Diesel	6.1	55	No change	1
SAE15W40 Engine Oil	7.4	67	No change	0
Dot 4 Brake Fluid	7.8	70	No change	1
Screen Wash	7.1	64	No change	0
IPA	6.8	61	No change	1
Toluene	5.2	47	No change	4
MEK	5.4	49	No change	4
Lemsolve	6.2	56	No change	2
Teepol Detergent	7.4	67	No change	0
PH 4	6.6	59	No change	0
PH 10	7.2	65	No change	0
409® Formula	6.6	59	No change	0

The properties defined are based on four-hour immersions at room temperature (72°F/22°C) unless otherwise noted. Samples were applied to stainless steel panels 24 hours prior to immersion and were evaluated one hour after removal from the solution for peel adhesion. Adhesion measured at 90° peel angle (FTM 2) at 305 mm/min. Note: The technical information and data above should be considered representative or typical only and should not be used for specification purposes.

About Fabrico

Fabrico is the market leader in design and manufacturing services for flexible materials. By focusing on its customers' needs, Fabrico has developed a reputation for solving unique challenges and providing sound customer solutions. The company offers a wide range of product design and engineering capabilities including custom die cutting, rotary die cutting, prototyping, manufacturing, and final assembly and kitting.

Fabrico provides design solutions for several applications, including bonding and sealing, electrical insulation, EMI/RFI shielding, vibration dampening, masking, and many others. This broad base of expertise allows for creative and integrated solutions with strict adherence to application requirements.

What is a 3M Preferred Converter?

As a 3M Preferred Converter, Fabrico receives the latest in material information and exclusive training from 3M, further enhancing their expertise in the design and custom fabrication of flexible materials.

This alliance blends 3M's high-value products with Fabrico's applications and manufacturing expertise to provide customers with the best solution for their application.



Headquarters

4175 Royal Drive, Suite 800 • Kennesaw, GA 30144
 Phone: 678-202-2700 • Fax: 678-202-2702
 Toll Free: 800-351-8273 • E-mail: info@fabrico.com



www.fabrico.com

Fabrico is a trademark of EIS, Inc. 3M is a trademark of 3M Company.