



Durable Tire Label Material

FV052

Technical Data

May 2006

Product Description 3M™ Durable Tire Label Material FV052 is a white vinyl label stock that offers durability and conformability. It utilizes 3M™ Adhesive P1110, which is designed for labeling tires when used with tire wash. This adhesive exhibits high initial tack, yet resists edge bleed and cold flow.

Construction	Product Number	Facestock	Adhesive	Liner
	3M™ Durable Tire Label Material FV052	.0035 in. Soft White Vinyl TC2	P1110 Perm. 26	50# SC 3.1 mil semi-bleached super calendered kraft sheet

(Calipers are nominal values)

Features

- The polymerically plasticized nature of this soft, flexible vinyl imparts long term dimensional stability for demanding applications.
- Meets CONEG requirements.
- Adhesive dry ingredients are listed by FDA as indirect food contact additives when used in food packaging with minimum opportunity for exposure (See 21 CFR 175.105).
- Liner is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.

Application Ideas

- Retread tires
- Waxy surfaces
- UV coated corrugated

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Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.0 mil of adhesive on a polished stainless steel panel.

Peel Adhesion	4.0 lbs./in. (704 N/m)	TLMI Method, 180° Peel, 12"/min., 1" wide sample
Loop Tack	4.0 lbs./in. (704 N/m)	TLMI Method, 12"/min., 1" wide sample
Shear	5 hours	TLMI Method, 0.25 in. ² x 500g
Adhesive Coat Weight	3M™ Durable Label Material FV052 2.5 g/100 in. ² ± 10%	3M Method E10MFP01
Release Range	3M™ Durable Label Material FV052 15 to 50 g/2 in.	TLMI Method, 180° removal, 300 in./min.
Service Temperature	40°F to 155°F (5°C to 68°C)	
Application Temperature	55°F to 110°F (13°C to 43°C)	

Printing

Semi-gloss vinyl topcoating designed for use on tire label products. For use with water-based flexo film inks.

Storage Conditions

Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.

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Shelf Life To obtain best performance, use this product within two years from date of manufacture.

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ISO 9001

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Industrial Adhesives and Tapes Division
Converter Markets
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550
3M.com/converter

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