



Petoskey Plastics Product Data Sheet

Title: LDPE Flame Retardant Sheeting FRS-001

Purpose: Defines the physical properties and compliances for LDPE Flame Retardant Sheeting. This data sheet covers gauges from 1.0 to 10.0 mil LDPE sheeting.

Location: Petoskey, MI Plant

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Applicability: This data sheet provides physical properties and compliances for the following Petoskey Plastics parts:

- FB-FR021-01
- FB-FR021-02
- FB-FR021-03
- FB-FR021-04

Product Specifications: Physical Properties & Compliances

Film Properties							
Gauge (mil)	Impact (g @ 50%) ASTM D1708	Tensile Strength (psi) ASTM D882		Elongation (%) ASTM D882		Permeance ASTM E96	
		MD	TD	MD	TD	Water Vapor	Transmission Rate
		1.0	40	400	300		
1.5	65	550	420	80	125	0.570	1.05
2.0	85	600	450	90	155	0.380	0.70
3.0	125	900	637	112	176	0.250	0.47
4.0	165	1200	850	150	235	0.190	0.35
6.0	260	1700	1200	160	250	0.130	0.23
8.0	380	1600	1440	180	280	0.096	0.18
10.0	475	2000	1800	225	350	0.076	0.14

-Target Melt Index for raw material: 1.5 – 2

-Compliant with UL94 VTM – Test for Flammability of Plastic Material

-Compliant with 94VTM-0, 94VTM-1, and 94VTM-2 - Thin Material Vertical Burning Test

-Flame Spread and Smoke Developed test results (calculated in accordance with ASTM E – 84 – 84a):

Flame Spread Index: 20 (FR Polyethylene Film)

Smoke Developed Value: 30 (FR Polyethylene Film)

Revision History: Rev: 001 - Issued 09/13/2018