

Vinyl on 1.9# Ether

Typical Physical Properties 1.9# Ether

Specifications	Minimum Results	Typical Results
Density		1.90 ± 10% lbs/ft ³
Tensile Strength	20.0 psi	25.0 psi
Elongation	180%	300%
Tear Resistance	1.50 pli	3.00 pli
Indentation Force Deflection		
25%	30 lbs/50 in ²	40 lbs/50 in ²
65%	55 lbs/ 50 in ²	80 lbs/ 50 in ²
Retention of Tensile Strength after 5 hours, 120°C, steam autoclave	70%	
Retention of Tensile Strength after 5 hours, 140°C, dry heat aging	70%	
Air Flow		0.50 ft ³ / 4 in ² / min
Flammability		
<i>FMVSS 302</i>		Pass

Features:

- Meets requirements of RoHS
- Compliant with European Union REACH
- Meets physical requirements of General Motors Engineering Standard GM6291M type 1
- Meets performance requirements of Chrysler Engineering Standards MS-AY309 and MS-AY313
- Minimum IFD at 20 mm 20 lbs/50 sq in; max 30
- General Motors Material Specification approval January, 1999



Typical Physical Properties for Vinyl

Specification	Test Method	Typical Results
Weight	ASTM D751	44 Ozs/54"
Thickness	ASTM D751	63 mils
Adhesion of Coating	ASTM D751	3.5 psi min
Abrasion Resistance	Wyzenbeek, 30,000 rubs, #8 Duck	No significant wear
Blocking Resistance	Fed Std 191A 5872	Scale Rating 2 max
Cold Resistance	Fed Std 191A D5874	Pass -40°F
Flame Resistance	FMVSS 302 CA TB 117-2013 BIFMA Class A/NFPA, UFAC Class 1	Pass Pass Pass
Tensile Strength	ASTM D751	105 lbs.
Single Tear Strength	CFFA 16, ASTM D2261-96	10 lbs.
Trapezoid Tear Strength	ASTM D1117	22 lbs.
Stretch Under Load	SAE J855	16%
Permanent Set	SAE J855	3%

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