



LUBMER™ TM-80B

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

A highly engineered thermoplastic material for use as an ultra-thin coextruded layer in demanding applications requiring, superior low friction and abrasion resistance properties. Lubmer TM-80B is a UV stable grade possessing exceptional friction and abrasion performance. TM-80B is engineered to have outstanding adhesion to Sarlink TPV materials. Together these materials create effective system for vehicle sealing applications such as glass run channels, waist belts, auxiliary seals, and other profiles or articles.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant • Good Adhesion • High Hardness • High Heat Resistance	• High Slip • Low Compression Set • Low Density • Low Friction	• Low Specific Gravity • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Window Encapsulation • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	102000	psi	ASTM D790
Coefficient of Friction	< 0.15		ASTM D1894
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength - Across Flow (Break)	4640	psi	ASTM D412
Tensile Elongation - Across Flow (Break)	30	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 5 sec, Injection Molded)	66		ASTM D2240
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 206 sec ⁻¹)	562	Pa·s	ASTM D3835

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Processing Information		
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	350 to 410	°F
Cylinder Zone 2 Temp.	360 to 420	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	379 to 441	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Notes

¹ Typical properties: these are not to be construed as specifications.