

Vibrathane® 8030

Polyurethane (Polycaprolactone, MDI)

Chemtura

Message:

VIBRATHANE 8030 is an MDI terminated, polycaprolactone based prepolymer that is solid at room temperature. This high performance material yields an 80A durometer urethane when cured with 1,4-Butanediol. It was designed for applications such as wiper blades.

VIBRATHANE 8030 elastomers are characterized by:

Good low temperature properties

Excellent abrasion resistance

Excellent flex life

General Information			
Features	Good Abrasion Resistance		
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	80	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.83	MPa	ASTM D412
Tensile Strength	33.1	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength (Split)	21	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	29	%	ASTM D395B
Thermoset	Nominal Value	Unit	
Pot Life	5.0	min	
Post Cure Time (115°C)	16	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (115°C)	0.50	hr	

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