

Vibrathane® B625

Polyurethane (Polyether, MDI)

Chemtura

Message:

VIBRATHANE B625 is a polyether-based MDI-terminated prepolymer which yields 60A to 95A hardness urethanes when cured with diols. Vibrathane B 625 is characterized by exceptionally low viscosity and urethanes from it have:
Excellent low-temperature properties.
High abrasion resistance, especially to impingement.
Outstanding hydrolytic stability.
High resilience.

General Information			
Features	Good Abrasion Resistance		
	Hydrolytically Stable		
	Low Viscosity		
	Resilient		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.72	MPa	ASTM D412
Tensile Strength	15.9	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength (Split)	3.7	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	12	%	ASTM D395B
Bayshore Resilience	70	%	ASTM D2632
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -63.0	°C	ASTM D746
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 68		
Resin	Mix Ratio by Weight: 100		
Pot Life	75	min	
Post Cure Time (110°C)	4.0	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (110°C)	1.0	hr	

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