

Vibrathane® B821

Polyurethane (Polyether, MDI)

Chemtura

Message:

VIBRATHANE B821 is an MDI-Polyether prepolymer designed to maximize resilience and dynamic performance. VIBRATHANE B821 processes easily with 1,4 Butanediol and with HQEE curatives.

Vibrathane B821 is characterized by:

Excellent low temperature properties

High abrasion resistance

Outstanding hydrolytic stability

High Resilience

General Information			
Features	Good Abrasion Resistance		
	Hydrolytically Stable		
	Resilient		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	7.31	MPa	
300% Strain	17.2	MPa	
Tensile Strength	33.1	MPa	ASTM D412
Tensile Elongation (Break)	410	%	ASTM D412
Tear Strength			
-- 1	96.3	kN/m	ASTM D624
Split	15	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	20	%	ASTM D395B
Bayshore Resilience	62	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 7.5		
Resin	Mix Ratio by Weight: 100		
Pot Life	6.0 to 7.0	min	
Demold Time	45 to 60	min	
NOTE			
1.	Die C		

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