

# Vibrathane® 6020

Polyurethane (Polyester, MDI)

Chemtura

## Message:

VIBRATHANE 6020 is a diphenylmethane diisocyanate terminated polyester based liquid prepolymer which yields an 85A durometer urethane when cured with 1,4-Butanediol. This liquid prepolymer exhibits low viscosities at processing temperatures in addition to good heat stability. Some of the features of this high performance elastomer are:

Outstanding abrasion resistance

Lower isocyanate exposure

High Tear Strength

Good Dynamic Properties

Low Compression Set

General Information			
Features	Good Abrasion Resistance		
	Good Tear Strength		
	Good Thermal Stability		
	Low Compression Set		
	Low Viscosity		
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	96		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	11.4	MPa	
300% Strain	17.2	MPa	
Tensile Strength	27.6	MPa	ASTM D412
Tensile Elongation (Break)	510	%	ASTM D412
Tear Strength			
-- <sup>1</sup>	124	kN/m	ASTM D624
Split	39	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	38	%	ASTM D395B
Bayshore Resilience	36	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Post Cure Time (121°C)	16	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (121°C)	1.0	hr	
NOTE			
1.	Die C		

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