

Vibrathane® 8000

Polyurethane (Polyester, MDI)

Chemtura

Message:

VIBRATHANE 8000 is a QUASI MDI - terminated polyester based liquid urethane prepolymer and curative system that is designed for general use in Industrial and Engineering applications.

Formulated as a three component system, this member of the VIBRATHANE® family produces high performance vulcanizates in the 55 Shore A to 55 Shore D hardness range when cured with a specially formulated curative VIBRACURE® 7556 and 1,4 Butane Diol.

VIBRATHANE 8000 QUASI offers the following benefits:

- High level of physical & mechanical properties
- High resilience and resistance to abrasion wear and tear propagation
- Excellent resistance to oils, fuels and grease

General Information			
Features	Fuel Resistant		
	Good Abrasion Resistance		
	Grease Resistant		
	Oil Resistant		
	Resilient		
Uses	Industrial Applications		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 80°C	52		
Shore A, -5°C	57		
Shore A	55		
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	40.0	mm ³	ISO 4649
Rebound Resilience	72	%	ISO 4662
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	1.40	MPa	
300% Strain	1.95	MPa	
Tensile Stress (Break)	19.0	MPa	ISO 37
Tensile Elongation (Break)	820	%	ISO 37
Tear Strength	28	kN/m	ISO 34-1
Compression Set (70°C)	30	%	ISO 815
Thermoset	Nominal Value	Unit	
Thermoset Components			

Mix Ratio by Volume: 78

Hardener

Mix Ratio by Weight: 350

Mix Ratio by Weight: 100

Resin

Mix Ratio by Volume: 22

Pot Life

9.0

min

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