

Vibrathane® 8094

Polyurethane (Polyester, MDI)

Chemtura

Message:

VIBRATHANE 8094 is a polyester-based; MDI terminated liquid urethane prepolymer that exhibits Chemtura's advanced technology in this vital area of the polyurethane industry. This prepolymer is highly unique in its resistance to heat aging and its uniform, predictable response to the addition of catalyst. When cured with 1,4 Butanediol, this member of the VIBRATHANE family produces high performance vulcanizates in the 94 Shore A hardness range.

These tough elastomers are characterized by:

- High Tear Strength
- Excellent Abrasion Resistance
- Excellent Dynamic Properties
- Excellent Flex Life

General Information			
Features	Good Abrasion Resistance		
	Good Tear Strength		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	94		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	10.0	MPa	
300% Strain	20.5	MPa	
Tensile Strength	42.2	MPa	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Tear Strength			
-- ¹	137	kN/m	ASTM D624
Split	31	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	33	%	ASTM D395B
Bayshore Resilience	43	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	5.0	min	
Demold Time	45	min	
Post Cure Time (115°C)	16	hr	
NOTE			
1.	Die C		

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