

Vibrathane® B615

Polyurethane (Polyether, TDI)

Chemtura

Message:

VIBRATHANE B615 is a TDI-terminated polyether prepolymer. Curing with 4, 4'- methylene-bis-(o-chloroaniline), MBCA, yields a high performance 92 Shore A elastomer.

Features of VIBRATHANE B 615 include:

- Low hysteresis and heat buildup
- High Load bearing capability
- Excellent low temperature flexibility
- Outstanding abrasion resistance

These features make VIBRATHANE B 615 the prepolymer of choice for high quality presson tires and caster wheels. Because of its high resilience it is also an excellent choice for many mining applications, particularly for those in slurry contact.

General Information			
Features	Good Abrasion Resistance		
	Low Temperature Flexibility		
	Resilient		
Uses	Mining Applications		
	Wheels		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	9.65	MPa	
300% Strain	18.6	MPa	
Tensile Strength	40.0	MPa	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Tear Strength (Split)	18	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	24	%	ASTM D395B
Bayshore Resilience	45	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	8.0	min	
Demold Time	60	min	
Post Cure Time (70°C)	16	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (100°C)	1.0	hr	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

