

# Adiprene® L 767

Polyurethane (Polyether, TDI)

Chemtura

## Message:

ADIPRENE L 767 is a TDI polyether-based liquid urethane prepolymer which is readily processable by conventional hand and machine mixing techniques. ADIPRENE L767 produces high quality elastomers in the 62D durometer hardness range when cured with 4,4'-methylene-bis (2-chloroaniline), and the 53 D durometer hardness range when cured with CAYTUR® 21DA.

These tough, highly resilient elastomers have many unique features:

- Excellent low-temperature flexibility
- ?- Excellent abrasion resistance
- ?- Good hydrolytic stability
- ?- Good compression set resistance

These properties suggest the use of ADIPRENE L 767 in applications such as wheels, rolls, or spraying.

General Information	
Features	Good Abrasion Resistance
	Good Toughness
	Hydrolytically Stable
	Low Temperature Flexibility
	Resilient
Uses	Wheels
Forms	Liquid
Processing Method	Casting
	Compression Molding
	Spraying
	Vacuum Casting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	18.6	MPa	ASTM D412
Tensile Strength	44.8	MPa	ASTM D412
Tensile Elongation (Break)	290	%	ASTM D412
Tear Strength (Split)	22	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	36	%	ASTM D395B
Bayshore Resilience	45	%	ASTM D2632
Clash-Berg Modulus			ASTM D1043
-57°C	427	MPa	
-40°C	310	MPa	
-18°C	172	MPa	

24°C	68.9	MPa
Thermoset	Nominal Value	Unit
Thermoset Components		
Hardener	Mix Ratio by Weight: 24	
Resin	Mix Ratio by Weight: 100	
Pot Life	1.0	min
Post Cure Time (70°C)	16	hr
Additional Information	Nominal Value	Unit
Abrasion Index - NBS	380	
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

