Adiprene® L 367

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE L 367 is a polyether-based liquid urethane polymer which is readily processable by conventional hand and machine mixing techniques. ADIPRENE L 367 produces high quality elastomers in the 46-50 durometer D hardness range when cured with 4,4'-methylene-bis (2-chloroaniline) or CAYTUR® 21DA urethane curative.
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 367 in applications such as wheels, small 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/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	48		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	12.4	MPa	
300% Strain	30.3	MPa	
Tensile Strength	42.1	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength (Split)	21	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	28	%	ASTM D395B
Bayshore Resilience	40	%	ASTM D2632
Clash-Berg Modulus			ASTM D1043
-57°C	324	MPa	

-40°C	65.7	MPa
-18°C	43.4	MPa
24°C	37.9	MPa
Thermoset	**Nominal Value**	**Unit**
Thermoset Components		
Hardener	Mix Ratio by Weight: 19	
Resin	Mix Ratio by Weight: 100	
Pot Life	2.0	min
Post Cure Time (70°C)	16	hr
Additional Information	**Nominal Value**	**Unit**
Abrasion Index - NBS	290	
Uncured Properties	**Nominal Value**	**Unit**
Curing Time (100°C)	1.0	hr

Recommended distributors for this material

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