

Adiprene® LF 950A

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE LF 950A is a TDI-terminated polyether prepolymer with extremely low free TDI content. Curing with 4,4'-methylene-bis-(o-chloroaniline), MBCA, yields a high performance 95 Shore A polyurethane elastomer suitable for many high-performance applications.

Features of Adiprene LF 950A include:

- Low free TDI content
- Low viscosity
- Long pot life
- Excellent High Temperature Dynamic Properties

General Information			
Features	Low Viscosity		
Uses	Wheels		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	95 to 97		
Shore D	48 to 52		
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	3.45	MPa	
10% Strain	5.79	MPa	
15% Strain	8.27	MPa	
20% Strain	11.4	MPa	
25% Strain	14.5	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	15.2	MPa	
300% Strain	28.3	MPa	
Tensile Strength	37.9	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength			
-- ¹	87.6	kN/m	ASTM D624
Split	22	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	32	%	ASTM D395B
Bayshore Resilience	42	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	7.3	min	

Demold Time	25	min
Uncured Properties	Nominal Value	Unit
Curing Time (100°C)	16	hr
NOTE		
1.	Die C	

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