

Adiprene® LF 900A

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE LF 900A 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 90 Shore A polyurethane elastomer suitable for many high-performance applications.

Features of Adiprene LF 900A include:

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

General Information			
Features	Low Viscosity		
Uses	Wheels		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	88 to 90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	1.45	MPa	
10% Strain	2.41	MPa	
15% Strain	3.38	MPa	
20% Strain	4.69	MPa	
25% Strain	6.48	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	6.89	MPa	
300% Strain	11.7	MPa	
Tensile Strength	28.3	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength			
-- ¹	64.8	kN/m	ASTM D624
Split	11	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	25	%	ASTM D395B
Bayshore Resilience	50	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	9.0	min	
Demold Time	30	min	

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

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