

Adiprene® LF 952A

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE LF 952A is a TDI-terminated polyether prepolymer having low free TDI content. Curing with 4,4'-methylene-bis-(o-chloroaniline), MBCA, yields a high performance 95 Shore A elastomer suitable for many high-performance applications.

Features of ADIPRENE LF 952A include:

Low free TDI content

Long Pot Life

Gradual Cure Curve (Resistance to Shrinkage Cracking)

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		
Shore D	50		
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	3.52	MPa	
10% Strain	5.93	MPa	
15% Strain	7.86	MPa	
20% Strain	9.86	MPa	
25% Strain	12.5	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	12.4	MPa	
200% Strain	20.7	MPa	
300% Strain	42.7	MPa	
Tensile Strength	42.7	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength			
-- 1	75.3	kN/m	ASTM D624
Split	16	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	25	%	ASTM D395B
Bayshore Resilience	40	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	7.0	min	

Demold Time	30	min
Uncured Properties	Nominal Value	Unit
Curing Time (100°C)	16	hr
NOTE		
1.	Die C	

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