

Adiprene® LF 800A

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE LF 800A 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 80 Shore A polyurethane elastomer suitable for many high-performance applications.

Features of Adiprene LF 800A include:

- Low free TDI content
- Low viscosity
- Long pot life
- Easy melting

General Information			
Features	Low Viscosity		
Uses	Wheels		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80 to 84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	0.793	MPa	
10% Strain	1.31	MPa	
15% Strain	1.79	MPa	
20% Strain	2.55	MPa	
25% Strain	3.59	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	3.86	MPa	
300% Strain	5.52	MPa	
Tensile Strength	24.8	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength			
-- 1	56.0	kN/m	ASTM D624
Split	14	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	45	%	ASTM D395B
Bayshore Resilience	55	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	14	min	
Demold Time	45	min	
Uncured Properties	Nominal Value	Unit	

Curing Time (100°C)	16	hr
NOTE		
1.	Die C	

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