

Adiprene® LF 600D

Polyurethane (Polyether, TDI)

Chemtura

Message:

Adiprene LF 600D 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 60 Shore D polyurethane elastomer suitable for many high-performance applications.

Features of Adiprene LF 600D include:

- Low free TDI content
- Low viscosity
- Long pot life
- Excellent high temperature dynamic properties
- Excellent flex life

General Information			
Features	Low Viscosity		
Uses	Wheels		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60 to 62		ASTM D2240
Hardness - P & J	7.00		
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	6.89	MPa	
10% Strain	11.4	MPa	
15% Strain	15.9	MPa	
20% Strain	21.4	MPa	
25% Strain	27.6	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	24.8	MPa	
200% Strain	33.1	MPa	
Tensile Strength	46.2	MPa	ASTM D412
Tensile Elongation (Break)	290	%	ASTM D412
Tear Strength			
-- ¹	105	kN/m	ASTM D624
Split	20	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	28	%	ASTM D395B
Bayshore Resilience	40	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	5.3	min	

Demold Time	20	min
Uncured Properties	Nominal Value	Unit
Curing Time (100°C)	16	hr
NOTE		
1.	Die C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

