

Adiprene® LF 650D

Polyurethane (Polyether, TDI)

Chemtura

Message:

Adiprene LF 650D 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 65 Shore D polyurethane elastomer suitable for many high-performance applications.

Features of Adiprene LF 650D 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	1.17	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64 to 66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Compressive Strength			ASTM D695
5% Strain	9.03	MPa	
10% Strain	14.5	MPa	
15% Strain	20.0	MPa	
20% Strain	26.2	MPa	
25% Strain	33.4	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	28.3	MPa	
200% Strain	37.9	MPa	
Tensile Strength	48.3	MPa	ASTM D412
Tensile Elongation (Break)	260	%	ASTM D412
Tear Strength			
-- ¹	117	kN/m	ASTM D624
Split	20	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	29	%	ASTM D395B
Bayshore Resilience	40	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	4.3	min	
Demold Time	20	min	
Uncured Properties	Nominal Value	Unit	

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

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