Adiprene® LF 753D

Polyurethane (Polyether, TDI)

Chemtura

Message:

ADIPRENE LF 753D is a TDI-terminated polyether prepolymer having low free TDI content. Curing with 4,4'-methylene-bis-(o-chloroaniline), MBCA, yields an improved processing 73-75 Shore D elastomer suitable for many general-purpose applications.
Features of ADIPRENE LF 753D include:
Low Free TDI Content
Low Viscosity
Increased Pot Life
Short Demold Time
Resistance to Stress Cracking
Improved Compression Moldability

General Information			
Features	General Purpose High ESCR (Stress Crack Resist.) Low Viscosity		
Uses	General Purpose Wheels		
Processing Method	Casting		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.20	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	73 to 75		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Compressive Strength			ASTM D695
5% Strain	17.2	MPa	
10% Strain	28.3	MPa	
15% Strain	35.9	MPa	
20% Strain	42.7	MPa	
25% Strain	50.3	MPa	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	34.5	MPa	
200% Strain	44.1	MPa	
Tensile Strength	51.7	MPa	ASTM D412
Tensile Elongation (Break)	230	%	ASTM D412
Tear Strength			
-- [1]	193	kN/m	ASTM D624
Split	23	kN/m	ASTM D470

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	270	J/m	
25°C	800	J/m	
Thermoset	**Nominal Value**	**Unit**	
Pot Life	2.0	min	
Demold Time	25	min	
Uncured Properties	**Nominal Value**	**Unit**	
Curing Time (100°C)	16	hr	
NOTE			
1.	Die C		

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