

Vibrathane® B876

Polyurethane (Polyether, TDI)

Chemtura

Message:

VIBRATHANE B876 is a medium performance polyether based TDI terminated prepolymer that yields a 77 Shore D elastomer when cured with 4,4' methylene-bis(ortho-chloroaniline), MBCA. This new prepolymer is useful for general purpose casting in the higher durometer range because of its low viscosity and long pot life.

Elastomers from this exceptional polymer are characterized by:

High rebound at R.T.

Good physical properties

Low rolling resistance at R.T.

General Information			
Features	General Purpose		
	Low Viscosity		
Uses	General Purpose		
Forms	Liquid		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	77		ASTM D2240
Films	Nominal Value	Unit	Test Method
Trouser Tear Resistance	92.8	N/mm	ASTM D1938
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	30.3	MPa	
200% Strain	32.4	MPa	
Tensile Strength	39.3	MPa	ASTM D412
Tensile Elongation (Break)	200	%	ASTM D412
Tear Strength			
-- 1	210	kN/m	ASTM D624
Split	28	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	22	%	ASTM D395B
Rebound Resilience - Drop Ball	73	%	
Thermoset	Nominal Value	Unit	
Pot Life	3.5	min	
Post Cure Time (100°C)	16	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (100°C)	0.25 to 0.50	hr	
NOTE			

1. Die C

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