

# Vibrathane® 6020U

Polyurethane (Polyester, MDI)

Chemtura

## Message:

VIBRATHANE 6020U is a diphenylmethane diisocyanate terminated polyester based liquid prepolymer which yields an 85 - 86 Shore A urethane when cured with 1,4 Butanediol. This liquid prepolymer is designed for general-purpose casting. Some of the features of this high performance elastomer are:

- Good green strength
- Fast demold.
- Excellent dynamic properties

General Information			
Features	General Purpose		
Uses	General Purpose		
Forms	Liquid		
Processing Method	Casting		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	85	ASTM D2240	
Films	Nominal Value	Unit	Test Method
Trouser Tear Resistance	17.5	N/mm	ASTM D1938
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	6.21	MPa	
300% Strain	13.6	MPa	
Tensile Strength	43.4	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength			
-- 1	61.3	kN/m	ASTM D624
Split	13	kN/m	ASTM D470
Compression Set (70°C, 22 hr)	35	%	ASTM D395B
Bayshore Resilience	40	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	5.0 to 7.0	min	
Post Cure Time (115°C)	16	hr	
Uncured Properties	Nominal Value	Unit	
Curing Time (115°C)	1.0	hr	
NOTE			
1.	Die C		

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## 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

