

Xuchuan 1170/B-6001

Thermoplastic Polyurethane Elastomer (Polyether)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 1170/B-6001 is a Thermoplastic Polyurethane Elastomer (Polyether) (TPU-Polyether) product. It is available in Asia Pacific. Typical application: Marine Applications. Primary characteristic: high strength.

General Information		
Features	High Strength	
	Hydrolysis Resistant	
Uses	Marine Applications	
Physical	Nominal Value	Unit
Density	0.500 to 0.700	g/cm ³
Density		
A-1170 : 40°C	1.010 to 1.020	g/cm ³
B-6001 : 40°C	1.080 to 1.200	g/cm ³
Viscosity		
A-1170 : 40°C	400 to 800	mPa·s
B-6001 : 40°C	600 to 1000	mPa·s
Cream Time	8.0 to 10.0	sec
End of Rise Time	1.0 to 1.2	min
Free Rise Foam Density	300 to 350	kg/m ³
Preheat Temperature		
Part A	50 to 60	°C
Part B	60 to 70	°C
Preheat Time		
Part A	2.0 to 4.0	hr
Part B	10.0 to 15.0	hr
Processing Temperature		
Part A	30 to 35	°C
Part B	35 to 40	°C
Hardness	Nominal Value	Unit
Durometer Hardness (Shore C)	70 to 90	
Elastomers	Nominal Value	Unit
Tensile Strength (Break)	8.00 to 11.0	MPa
Tensile Elongation (Break)	340 to 450	%
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	

Part B	Mix Ratio by Weight: 100 to 110	
Demold Time	7.0 to 9.0	min
Injection	Nominal Value	Unit
Mold Temperature	35.0 to 45.0	°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

