

Multibase Multi-Flex® A 4001 LC TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Compressive Strength, Good Heat Resistance, Medium Ozone Resistant Thermal Stability,

Good Forms: Pellets Processing Methods: Injection Molding Extrusion Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-4001-LC-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM 792
Water Absorption	0.060 %	0.060 %	ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	33	33	10 seconds; ASTM D2240
Tensile Strength, Yield	0.827 MPa	120 psi	at 100% secant; ASTM D412
	5.52 MPa	800 psi	Elastic; ASTM D412
Elongation at Break	600 %	600 %	Elastic; ASTM D412
Tear Strength	17.5 kN/m	100 pli	ASTM D624
Compression Set	11 %	11 %	73°F, 70 hours; ASTM D395
	39 %	39 %	158°F, 70 hours; ASTM D395

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	210 °C	410 °F	
Front Barrel Temperature	227 °C	440 °F	
Nozzle Temperature	235 °C	455 °F	
Mold Temperature	51.7 °C	125 °F	
Moisture Content	<= 0.060 %	<= 0.060 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China