

Multibase Multi-Flex® D 5308 TPO Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyolefin

Material Notes:

Features: Chemical Resistance, Good PaintableOzone Resistant Thermal Stability, GoodDensity, LowTear Strength, GoodScratch Resistant

Forms: PelletsProcessing Method: Injection Molding Uses: Automotive ApplicationsFasciasSafety EquipmentToysInformation provided by

Multibase

Order this product through the following link:
http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-D-5308-TPO-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM 792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	8.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	10 seconds; ASTM D2240
Tensile Strength, Yield	16.5 MPa	2400 psi	Elastic; ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Modulus	0.558 GPa	81.0 ksi	ASTM D790
Tear Strength	98.2 kN/m	560 pli	ASTM D624

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	177 - 199 Â°C	350 - 390 Â°F	
Middle Barrel Temperature	199 - 221 Â°C	390 - 430 Â°F	
Front Barrel Temperature	221 - 232 Â°C	430 - 450 Â°F	
Nozzle Temperature	6.11 - 232 Â°C	43.0 - 450 Â°F	
Melt Temperature	232 Â°C	450 Â°F	
Mold Temperature	37.8 Â°C	100 Â°F	

Descriptive Properties	Value	Comments
Clamp Tonnage	2-4 tons/in ²	

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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