

Multibase Multi-Flex® A 6202 MR TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Colorability, GoodElasticity, HighElectrically InsulatingFlame RetardantFlexibility, GoodHeat StabilizedOzone ResistantProcessability, GoodUV Resistance, Good Scratch ResistantForms: PelletsProcessing Method: Extrusion
Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-6202-MR-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM 792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	10 seconds; ASTM D2240
Tensile Strength, Yield	2.14 MPa	310 psi	at 100%; ASTM D412
	5.86 MPa	850 psi	Elastic; ASTM D412
Elongation at Break	700 %	700 %	Elastic; ASTM D412
Tear Strength	31.6 kN/m	180 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Flame Spread	7.6 mm/min	0.30 in/min	VSS-302

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	
Drying Temperature	51.7 °C	125 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

Processing Properties	Metric	English	Comments
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	40 rpm	40 rpm	

Descriptive Properties	Value	Comments
Clamp Tonnage	1.5-2.5 tons/in ²	
Injection Rate	Fast	
Suggested Max Regrind	0.5	

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