

Multibase Multi-Flex[®] A 3541 Clear TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

This material bonds to polypropylene. Forms: Pellets Processing Method: Injection Molding Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-3541-Clear-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.892 g/cc	0.892 g/cc	ASTM 792
Melt Flow	100 g/10 min @Load 2.16 kg, Temperature 230 °C	100 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	32	32	10 seconds; ASTM D2240
Tensile Strength, Yield	5.83 MPa	845 psi	Elastic; ASTM D412
Elongation at Break	690 %	690 %	Elastic; ASTM D412
Tear Strength	16.7 kN/m	95.0 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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	

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