

Multibase Multi-Flex® V 5502 TPE Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Forms: Pellets Processing Methods: Injection Molding Features: Gloss, Low Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-V-5502-TPE-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	10 seconds; ASTM D2240
	60	60	ASTM D2240
Tensile Strength at Break	3.79 MPa	550 psi	Elastic; ASTM D412
Tensile Strength, Yield	0.931 MPa	135 psi	ASTM D412
	@Strain 300 %	@Strain 300 %	
	2.00 MPa	290 psi	ASTM D412
	@Strain 100 %	@Strain 100 %	
Elongation at Break	630 %	630 %	Elastic; ASTM D412
Tear Strength	28.0 kN/m	160 pli	ASTM D624

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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