

Multibase Multi-Flex[®] A 5001 LC Black TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Colorability, Good Elasticity, High Electrically Insulating Flame Retardant Flexibility, Good Heat Stabilized Ozone Resistant Processability, Good UV Resistance, Good Weldable Forms: Pellets Processing Method: Extrusion Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Flex-A-5001-LC-Black-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM 792
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46	46	10 seconds; ASTM D2240
Tensile Strength, Yield	5.52 MPa	800 psi	Elastic; ASTM D412
Elongation at Break	600 %	600 %	Elastic; ASTM D412
Tear Strength	19.3 kN/m	110 pli	ASTM D624
Compression Set	13 %	13 %	73 °F, 70 hours; ASTM D395
	24 %	24 %	158 °F, 70 hours; ASTM D395

Processing Properties	Metric	English	Comments
Die Temperature	204 °C	400 °F	
Melt Temperature	191 - 204 °C	375 - 400 °F	

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