

Multibase Multi-Flex® A 2504LC TPE Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Features: Chemical Resistance, Good Colorability, Good Elasticity, High Electrically Insulating Flame Retardant Flexibility, Good Foamable Hardness, Low Heat Stabilized Ozone Resistant Processability, Good Soft UV Resistance, Good 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-2504LC-TPE-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM 792
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	ASTM D955
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	25	25	10 seconds; ASTM D2240
Tensile Strength, Yield	0.689 MPa	100 psi	100% Secant; ASTM D638
	0.689 MPa	100 psi	at 100%; ASTM D412
	3.79 MPa	550 psi	Elastic; ASTM D412
Elongation at Break	600 %	600 %	Elastic; ASTM D412
Tear Strength	13.1 kN/m	75.0 pli	ASTM D624
Compression Set	10 %	10 %	73°F, 70 hours; ASTM D395
	30 %	30 %	158°F, 70 hours; ASTM D395

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

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