

MRC Polymers NAXALOY[®] 793A7 PC + Polyester Blend

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP

Material Notes:

Available in natural and custom colors Can be UV Stabilized Internal and external lubricants can be added Information provided by MRC Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MRC-Polymers-NAXALOY-793A7-PC-Polyester-Blend.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D 792
Water Absorption	0.14 %	0.14 %	ASTM D 570
Linear Mold Shrinkage, Flow	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	ASTM D 955
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 275 Â°C	18 g/10 min @Load 4.76 lb, Temperature 527 Â°F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D 638
Elongation at Break	50 %	50 %	ASTM D 638
Flexural Strength	83.0 MPa	12000 psi	ASTM D 790
Flexural Modulus	2.136 GPa	309.8 ksi	ASTM D 790
Izod Impact, Notched	6.41 J/cm @Temperature 23.0 Â°C	12.0 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 Â°C	270 Â°F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	115 Â°C	239 Â°F	ASTM D 648
Flammability, UL94	HB	HB	

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