

MRC Polymers NAXALOY 774 ABS + PC Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Alternative to high heat ABS resins For injection molding Excellent heat and impact resistance
Information provided by MRC Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MRC-Polymers-NAXALOY-774-ABS-PC-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D 792
Water Absorption	0.15 %	0.15 %	ASTM D 570
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	4.0 g/10 min @Load 3.80 kg, Temperature 230 °C	4.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D 785
Tensile Strength, Yield	58.0 MPa	8410 psi	ASTM D 638
Elongation at Break	14 %	14 %	ASTM D 638
Flexural Strength	90.0 MPa	13100 psi	ASTM D 790
Flexural Modulus	2.47 GPa	358 ksi	ASTM D 790
Izod Impact, Notched	2.30 J/cm @Temperature 23.0 °C	4.31 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 °C	253 °F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	ASTM D 648

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