

Network Polymers NPP 3514

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

Material Notes:

Description: Black Polycarbonate Polyester Alloy Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-NPP-3514.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hours at 73°F; ASTM D570
Water Absorption at Saturation	0.35 %	0.35 %	73°F; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	35 g/10 min @Load 1.20 kg, Temperature 300 °C	35 g/10 min @Load 2.65 lb, Temperature 572 °F	Procedure A Condition 0; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.8 MPa	8100 psi	chs 2 in/min; ASTM D638
Tensile Strength, Yield	58.6 MPa	8500 psi	chs 2 in/min; ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Modulus	2.19 GPa	318 ksi	Tangent (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	220 °F	0.125 in bar, Unannealed/Conditioned 48 hours; ASTM D648

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