

MRC Polymers NAXELL, PC210HR General Purpose Polycarbonate, High MFR

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

Black only Information provided by MRC Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MRC-Polymers-NAXELL-PC210HR-General-Purpose-Polycarbonate-High-MFR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D 792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D 955
Melt Flow	25 g/10 min @Load 1.20 kg, Temperature 300 °C	25 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D 638
Elongation at Break	50 %	50 %	ASTM D 638
Flexural Strength	93.0 MPa	13500 psi	ASTM D 790
Flexural Modulus	2.274 GPa	329.8 ksi	ASTM D 790
Izod Impact, Notched	5.88 J/cm	11.0 ft-lb/in	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 °C	270 °F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D 648
Flammability, UL94	HB	HB	

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