

**MRC Polymers NAXELL, PC110VL Polycarbonate, Very Low MFR**

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

**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-NAXELL-PC110VL-Polycarbonate-Very-Low-MFR.php](http://www.lookpolymers.com/polymer_MRC-Polymers-NAXELL-PC110VL-Polycarbonate-Very-Low-MFR.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D 792
Water Absorption	0.15 %	0.15 %	ASTM D 570
Melt Flow	4.0 g/10 min @Load 1.20 kg, Temperature 300 °C	4.0 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	70 %	70 %	ASTM D 638
Flexural Strength	96.0 MPa	13900 psi	ASTM D 790
Flexural Modulus	2.343 GPa	339.8 ksi	ASTM D 790
Izod Impact, Notched	6.408 J/cm @Temperature 23.0 °C	12.00 ft-lb/in @Temperature 73.4 °F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	ASTM D 648

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