

Niche Polymer PCM6BK PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Information provided by Niche Polymer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Niche-Polymer-PCM6BK-PC.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.00600 cm/cm	0.00600 in/in	ASTM D955
Melt Flow	6.00 g/10 min @Load 1.20 kg, Temperature 300 °C	6.00 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D123

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ASTM D638
Elongation at Break	110 %	110 %	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.34 GPa	339 ksi	ASTM D790
Izod Impact, Unnotched	7.47 J/cm @Thickness 3.17 mm	14.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	269 °F	ASTM D648
Vicat Softening Point	157 °C	314 °F	ASTM D789

Descriptive Properties	Value	Comments
Color	Black	

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