

Technical Data Sheet

Diamond PC-1418R BKBLK



Polycarbonate

Product Description

Injection Grade Polycarbonate High Flow - Clear and Colors Available Add "R" for Added Release Add "U" for UV Stabilizer

Processing Method Injection Molding
Attribute High Flow
Appearance Clear/Transparent; Colors Available

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	18	g/10 min	ASTM D1238
Density - Specific Gravity	1.21	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	62.1	MPa	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Tensile Elongation at Break	>130	%	ASTM D638
Flexural Strength	98.6	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	640	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	132	°C	ASTM D648