

Technical Data Sheet

Diamond PC-1410FDR BKBLK SF



Polycarbonate

Product Description

Injection/Extrusion Grade Polycarbonate Medium Flow - Clear and Colors Available Add "R" for Added Release FDA Compliant

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	10	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)	750	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	132	°C	ASTM D648