

**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

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.21	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact, (23 °C, 3.18 mm)	750	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	132	°C	ASTM D648