

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

Regulatory Status

For regulatory compliance information, see PC-1418R BKBLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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