

Technical Data Sheet

Diamond QR-1015-BKBLK SF



Polycarbonate

Product Description

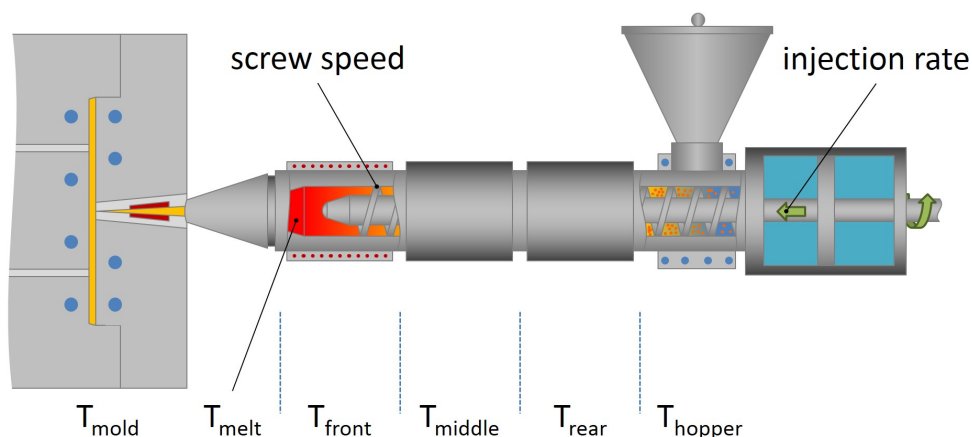
Available with UV (V) or Release (R).

Regulatory Status

For regulatory compliance information, see QR-1015-BKBLK SF [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Attribute	High Impact Resistance
Forms	Pellets
Appearance	Colors Available; Natural Color

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	15	g/10 min	ASTM D1238
Density - Specific Gravity	1.2	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	62.1	MPa	ASTM D638
Flexural Strength at Yield	89.6	MPa	ASTM D790
Flexural Modulus	2280	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	640	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	127	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	135	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	4.0 to 8.0	hr
Drying Temperature	121	°C
Nozzle Temperature	271 to 293	°C
Processing (Melt) Temp	271 to 293	°C
Front Temperature	277 to 299	°C
Middle Temperature	266 to 299	°C
Rear Temperature	254 to 277	°C
Mold Temperature	71 to 93	°C
Drying Time, Maximum	8	hr

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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