

Technical Data Sheet

Diamond PC 1008NCD 1002 UVNAT



Polycarbonate

Product Description

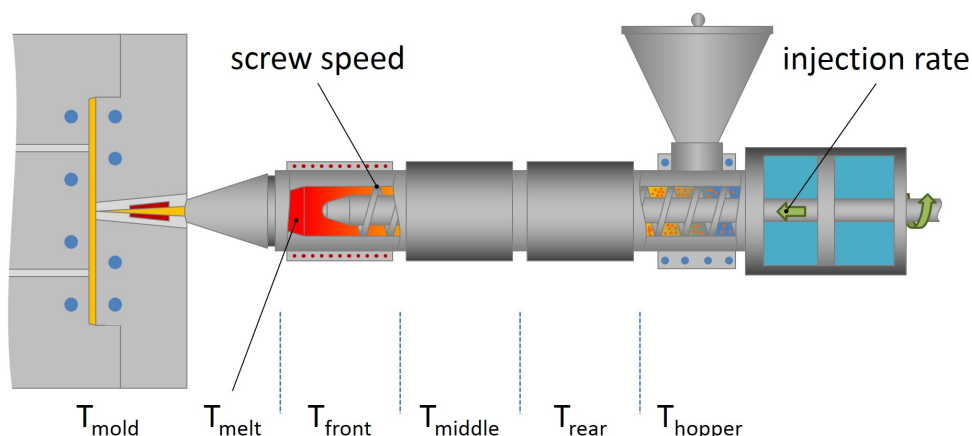
Diamond PC 1008NCD 1002 UVNAT is a Polycarbonate material. Features include: Impact Modified.

Regulatory Status

For regulatory compliance information, see PC 1008NCD 1002 UVNAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Attribute	Impact Modified
Forms	Pellets
Additive	Impact Modifier

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg, Procedure A)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.18	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (51 mm/min, Type I)	66.2	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, 3.18 mm)	2210	MPa	ASTM D790
Flexural Strength, (1.3 mm/min, 3.18 mm)	84.8	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm, Method A)	770	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	126	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (3.18 mm)	138	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	121	°C
Nozzle Temperature	285 to 321	°C
Processing (Melt) Temp	285 to 327	°C
Front Temperature	285 to 327	°C
Middle Temperature	285 to 316	°C
Rear Temperature	274 to 304	°C
Mold Temperature	82 to 116	°C
Drying Time, Maximum	4	hr

Notes

These are typical property values not to be construed as specification limits.

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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