

Diamond PC 1008NCD 90217 UVWHI

LyondellBasell Industries - Polycarbonate

General Information

Product Description

Diamond PC 1008NCD 90217 UVWHI is a Polycarbonate material. Features include: Impact Modified.

General

Additive	• Impact Modifier
Features	• Impact Modified
Forms	• Pellets

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) ² (300°C/1.2 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³ (Yield)	9600	psi	ASTM D638
Flexural Modulus ⁴ (0.125 in)	321000	psi	ASTM D790
Flexural Strength ⁴ (0.125 in)	12300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	14	ft-lb/in	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, 0.125 in	280	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, 0.125 in	259	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Rear Temperature	525 to 579	°F
Middle Temperature	545 to 601	°F
Front Temperature	545 to 621	°F
Nozzle Temperature	545 to 610	°F
Processing (Melt) Temp	545 to 621	°F
Mold Temperature	180 to 241	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A

³ Type I, 2.0 in/min

⁴ 0.051 in/min