

Diamond PC 1008

Polycarbonate
Network Polymers, Inc.

Message:

Diamond PC 1008 is a Polycarbonate (PC) product. It is available in North America.

Characteristics include:

REACH Compliant
RoHS Compliant
WEEE Compliant
Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (300°C/3.8 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	66.2	MPa	ASTM D638
Tensile Elongation ³ (Break)	120	%	ASTM D638
Flexural Modulus ⁴ (3.18 mm)	2210	MPa	ASTM D790
Flexural Strength ⁵ (3.18 mm)	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	138	°C	ASTM D1525 ⁶
1.8 MPa, Unannealed, 3.18 mm	126	°C	
Vicat Softening Temperature	152	°C	
NOTE			
1.	Procedure A		
2.	Type I, 51 mm/min		
3.	Type I, 51 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		
6.	Rate B (120°C/h), Loading 1 (10 N)		

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