

Technical Data Sheet

Diamond PC 1008UV.1002



Polycarbonate

Product Description

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

Attribute Impact Modified

Forms Pellets

Additive Impact Modifier

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/3.8 kg, Procedure A)	10	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
Tensile Elongation at Break, (51 mm/min, Type I)	120	%	ASTM D638
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)	530	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