

NOVA PC 1020

Polycarbonate

NOVA Polymers, Inc.

Message:

NOVA PC 1020 is a polycarbonate (PC) material. This product is available in North America and is processed by injection molding. The main characteristics of NOVA PC 1020 are: flame retardant/rated flame.

General Information			
UL File Number	E143392		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	62.1	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2210	MPa	ASTM D790
Flexural Strength (Yield, 3.18 mm)	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	138	°C	ASTM D648
1.8 MPa, not annealed	132	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.18 mm	V-2		UL 94
6.35 mm	V-2		UL 94
Additional Information			

Moisture Content, ASTM D 4019-88: <0.04 %

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Recommended distributors for this material

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