

NOVA PC HM1045

Polycarbonate

NOVA Polymers, Inc.

Message:

NOVA PC HM1045 is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in North America for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	65.8	MPa	ASTM D638
Flexural Modulus (3.18 mm)	3340	MPa	ASTM D790
Flexural Strength (Yield, 3.18 mm)	101	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	143	°C	
1.8 MPa, Unannealed, 6.35 mm	138	°C	
CLTE - Flow (-29 to 82°C)	3.3E-5	cm/cm/°C	ASTM D696
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746

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Recommended distributors for this material

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