

EnCom PC/PBT 1013UV

Polycarbonate + PBT

EnCom, Inc.

Message:

EnCom PC/PBT 1013UV is a Polycarbonate + PBT (PC+PBT) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of EnCom PC/PBT 1013UV: Good UV Resistance.

General Information			
Features	Good UV Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.80 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1930	MPa	ASTM D638
Tensile Strength (Yield)	51.7	MPa	ASTM D638
Flexural Modulus	2030	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	160	J/m	
23°C, 3.18 mm	670	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	98.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	243 to 271	°C	
Middle Temperature	249 to 277	°C	
Front Temperature	257 to 282	°C	
Nozzle Temperature	254 to 274	°C	
Processing (Melt) Temp	260 to 279	°C	
Mold Temperature	65.6	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 75	rpm	

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Recommended distributors for this material

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