

OmniCarb™ PC/PBT 1020 FR0

Polycarbonate + PBT

OMNI Plastics, LLC

Message:

Flame Resistant, PC/PBT

General Information			
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	61.4	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	98.9	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (3.18 mm)	V-0	Internal Method	
Injection	Nominal Value	Unit	
Drying Temperature	104	°C	
Drying Time	3.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	249 to 277	°C	
Front Temperature	249 to 277	°C	
Nozzle Temperature	249 to 277	°C	
Processing (Melt) Temp	249 to 271	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	

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Recommended distributors for this material

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