

OmniCarb™ PC 20UV-11012

Polycarbonate

OMNI Plastics, LLC

Message:

Blue Tint, UV Stabilized Polycarbonate

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
Appearance	Blue		
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)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	740	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	138	°C	
1.8 MPa, Unannealed, 3.18 mm	127	°C	
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	Internal Method	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	238 to 271	°C	
Middle Temperature	249 to 282	°C	
Front Temperature	249 to 282	°C	
Nozzle Temperature	249 to 282	°C	
Processing (Melt) Temp	249 to 282	°C	
Mold Temperature	48.9 to 104	°C	
Back Pressure	0.172 to 0.345	MPa	

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Recommended distributors for this material

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