

OmniCarb™ PC220

Polycarbonate

OMNI Plastics, LLC

Message:

Easy Flow, Flame Resistant Polycarbonate

General Information			
UL YellowCard	E138590-222826		
Features	Flame Retardant		
	Good Flow		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage	3.0E-3 to 7.0E-3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break)	100	%	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)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	127	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-2		
3.00 mm	V-2		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 293	°C	
Middle Temperature	271 to 304	°C	
Front Temperature	271 to 304	°C	
Nozzle Temperature	271 to 304	°C	
Processing (Melt) Temp	271 to 304	°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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