

OmniCarb™ PC08FR GF40

Polycarbonate

OMNI Plastics, LLC

Message:

40% Glass Reinforced, Flame Resistant Polycarbonate

General Information			
UL YellowCard	E138590-222829		
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	145	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	149	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	116	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	249 to 282	°C	
Middle Temperature	260 to 293	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	260 to 293	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.172 to 0.345	MPa	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

