

# OmniCarb™ PC/ABS 20 FR

Polycarbonate + ABS

OMNI Plastics, LLC

Message:

OmniCarb™ PC/ABS 20 FR is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Flame Rated  
Flame Retardant

General Information			
UL YellowCard	E138590-222816		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flow		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
3.00 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	227 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	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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