

RC Plastics RCPC 16 FR

Polycarbonate

RC Plastics, Inc. (Div. of LNP Engineering Plastics)

Message:

RC Plastics RCPC 16 FR is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Eco-Friendly/Green

Flame Retardant

General Information			
Additive	Flame Retardant		
Recycled Content	Yes		
Features	Flame Retardant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	64.8	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	127	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	V-0		
3.18 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	293 to 332	°C	
Middle Temperature	293 to 332	°C	
Front Temperature	293 to 332	°C	
Processing (Melt) Temp	304 to 327	°C	
Mold Temperature	79.4 to 107	°C	

Injection Rate	Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	45 to 75	rpm

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Recommended distributors for this material

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