

RC Plastics RCPCA10

Polycarbonate + ABS

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

Message:

RC Plastics RCPCA10 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Eco-Friendly/Green

General Information			
Recycled Content	Yes		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	59.3	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	92.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°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	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	232 to 282	°C	
Middle Temperature	232 to 282	°C	
Front Temperature	232 to 282	°C	
Processing (Melt) Temp	221 to 288	°C	
Mold Temperature	48.9 to 79.4	°C	
Injection Rate	Fast		
Back Pressure	0.172 to 0.345	MPa	
Screw Speed	30 to 60	rpm	

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Recommended distributors for this material

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