

ColorFast® PC202IR

Americhem - Polycarbonate

General Information
Product Description

Polycarbonate with superior impact performance

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Impact Modifier		
Features	• Excellent Colorability • High Impact Resistance	• Low Temperature Impact Resistance • Low Temperature Toughness	
Uses	• Automotive Applications • Closures • Consumer Applications	• Engineering Parts • Household Goods • Housings	• Industrial Applications • Industrial Parts • Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Mechanical			
Tensile Strength	8400	psi	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	325000	psi	ASTM D790
Flexural Strength	13600	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	11 to 13	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	250	°F	ASTM D648
Electrical			
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257
Flammability			
Flame Rating	HB		Internal Method

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	250	°F
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	540 to 600	°F
Mold Temperature	160 to 200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

