Spartech Polycom SCR7-7210R

Polycarbonate

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Message:

Spartech SCR7-7210R is a high flow PC resin for injection molding that features a mold release package. It is heat stabilized and lubricated for good processing characteristics.
Polycarbonate resins span a wide range of physical properties that combine to make it one of the toughest, most versatile of all engineering thermoplastics. It is well known for its exceptional impact resistance, plus it has outstanding mechanical, electrical, and optical properties.
A very versatile product for a wide variety of applications, Spartech SCR7-7210R is recommended for industrial, transportation, sporting goods and electrical/electronic applications.

General Information	
Additive	heat stabilizer Lubricant demoulding
Features	Impact resistance, high Workability, good Good electrical performance High liquidity Thermal Stability Thermal stability, good Good toughness Lubrication Good demoulding performance
Uses	Electrical/Electronic Applications Industrial application Application in Automobile Field Sporting goods
Appearance	Available colors Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	66.2	MPa	ASTM D638
Flexural Modulus (23°C)	3450	MPa	ASTM D790
Flexural Strength (23°C)	103	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	142	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	121	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	266 - 277	°C	
Middle Temperature	271 - 282	°C	
Front Temperature	282 - 299	°C	
Nozzle Temperature	277 - 304	°C	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	71.1 - 93.3	°C	

Recommended distributors for this material

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