

# Spartech Polycom SC7A21-2000

Polycarbonate + PET

Spartech Polycom

## Message:

Spartech SC7A21-2000 is a medium viscosity, impact modified, PC/PET alloy for injection molding applications.

The alloys bridge desirable characteristics of both resins. They benefit from the flow characteristics of PET, and the high heat distortion temperature is influenced by the polycarbonate fraction. The alloys approach the toughness of polycarbonate without the thickness sensitivity.

A very versatile product for a wide variety of applications, Spartech SC7A21-2000 is recommended for industrial, transportation, sporting goods and electrical/electronic applications. r

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Impact resistance, good		
	Good liquidity		
	Heat resistance, high		
	Good toughness		
	Medium viscosity		
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	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	55.2	MPa	ASTM D638
Flexural Modulus (23°C)	2070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	87.8	°C	

Drying Time	2.0 - 4.0	hr
Rear Temperature	249 - 282	°C
Middle Temperature	254 - 288	°C
Front Temperature	260 - 293	°C
Nozzle Temperature	274 - 302	°C
Processing (Melt) Temp	274 - 302	°C
Mold Temperature	82.2 - 93.3	°C

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#### Recommended distributors for this material

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