

Tisarbon® PC UNR

Polycarbonate

Tisan

Message:

Tisarbon® PC UNR is a Polycarbonate (PC) material. It is available in Africa & Middle East or Europe for injection molding. Primary attribute of Tisarbon® PC UNR: Flame Rated.

General Information			
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	22	g/10 min	ISO 1133
Molding Shrinkage	< 1.0	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.50	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	91		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	65.0	MPa	
Break	60.0	MPa	
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	12	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	45	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	145	°C	ISO 75-2/Be
Vicat Softening Temperature	150	°C	ISO 306/B120
Melting Temperature	230	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Flammability Index (3.00 mm)	750	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 120	°C	
Drying Time	3.0 to 5.0	hr	

Rear Temperature	280 to 290	°C
Middle Temperature	270 to 280	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	280 to 290	°C
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0	°C

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Recommended distributors for this material

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