

Tisarbon® PC UNR FR

Polycarbonate

Tisan

Message:

Tisarbon® PC UNR FR is a Polycarbonate (PC) material. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisarbon® PC UNR FR are:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage	< 1.0	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	60.0	MPa	
Break	55.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	6.5	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	135	°C	ISO 75-2/Be
Vicat Softening Temperature	141	°C	ISO 306/B120
Melting Temperature	230	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (3.00 mm)	960	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

