

Tisren® PS UNR FR

General Purpose Polystyrene

Tisan

Message:

Tisren® PS UNR FR is a General Purpose Polystyrene material. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisren® PS 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	1.19	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	55.0	MPa	
Break	30.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.5	%	
Break	3.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0	°C	ISO 75-2/Be
Vicat Softening Temperature	104	°C	ISO 306/B120
Melting Temperature	160	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	250	V	IEC 60112
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	80.0	°C	
Drying Time	2.0 to 3.0	hr	

Rear Temperature	190 to 210	°C
Middle Temperature	190 to 210	°C
Front Temperature	190 to 210	°C
Nozzle Temperature	200	°C
Processing (Melt) Temp	160 to 180	°C
Mold Temperature	50.0	°C

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Recommended distributors for this material

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