

Tisoplen® PPH 15 MNF FR

Polypropylene Homopolymer

Tisan

Message:

Tisoplen® PPH 15 MNF FR is a Polypropylene Homopolymer (PP Homopolymer) material filled with 15% mineral. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisoplen® PPH 15 MNF FR are:

- Flame Rated
- Flame Retardant
- Heat Stabilizer
- Homopolymer

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
	Homopolymer		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	1.4	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.010	%	ISO 62
Ash Content	15	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	38.0	MPa	
Break	27.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	3.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	4.5	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	130	°C	ISO 306/B120
Melting Temperature	165	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	600	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	
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	170 to 190	°C	
Mold Temperature	45.0	°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

