

Tisoplen® PPH 40 MNF CALCITE

Polypropylene Homopolymer

Tisan

Message:

Tisoplen® PPH 40 MNF CALCITE is a Polypropylene Homopolymer (PP Homopolymer) material filled with 40% calcium carbonate. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisoplen® PPH 40 MNF CALCITE are:

- Flame Rated
- Heat Stabilizer
- Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage	0.70	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.010	%	ISO 62
Ash Content	40	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	31.0	MPa	
Break	25.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	4.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	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	132	°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)	HB		UL 94
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	

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Recommended distributors for this material

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