

HAIPLEN H10 T4

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H10 T4 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 20% talc. It can be processed by injection molding and is available in Europe.
Characteristics include:
Flame Rated
High Stiffness
Homopolymer

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	High Stiffness		
	Homopolymer		
	Low Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.1	%	
Flow	1.1	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Break)	20	%	ISO 527-2/50
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress ²	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50

CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Burning Rate ³ (2.00 mm)	< 100	mm/min	ISO 3795
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Pre-heater	70.0 to 80.0	°C	
Drying Time - Pre-heater	1.0	hr	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	US-FMVSS 302		

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