

HAIPLEN H50 C7

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 35% calcium carbonate filled, medium flow.

General Information			
Filler / Reinforcement	Calcium carbonate filler, 35% filler by weight		
Features	Homopolymer		
	Medium liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	1.0	%	Internal method
Flow direction	1.0	%	Internal method
Granule Humidity ¹	0.050	%	
Reinforcement Content ² (550°C)	35	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	21.0	MPa	ISO 527-2/50
Tensile Strain (Break)	18	%	ISO 527-2/50
Flexural Modulus ³	2400	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)	70.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 220	°C	
Mold Temperature	50.0 - 70.0	°C	
Injection Rate	Moderate		

Injection instructions

Pre-heat Temperature: 80 to 100°CPre-heat Time: 1 hr

NOTE

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| 1. | TARO 002 |
| 2. | 1 hr |
| 3. | 1.0 mm/min |

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