

HAIPLEN EP100 CM5

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer, high flow 25% mineral filled, good appearance behaviour, good scratch resistance, suitable for automotive interior application

General Information			
Filler / Reinforcement	Mineral filler, 25% filler by weight		
Features	Copolymer		
	High liquidity		
	Scratch resistance		
	Good appearance		
Uses	Car interior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction: 23°C, 3.20mm	1.1	%	Internal method
Flow direction: 23°C, 3.20mm	1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	18.0	MPa	ISO 527-2/50
Tensile Strain (Break)	35	%	ISO 527-2/50
Flexural Modulus ¹	2000	MPa	ISO 178
Flexural Stress ²	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	> 300	J/m	ASTM D256
Notched Izod Impact (23°C)	> 9.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°C	ISO 75-2/A
Vicat Softening Temperature	60.0	°C	ISO 306/B50
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ³ (600°C)	25	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Fast		
Injection instructions			

Pre-heat Temperature: 70 to 80°CPre-heat Time: 1 hr

NOTE

1.	1.0 mm/min
2.	1.0 mm/min
3.	1 hr

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