

HAIPLEN EP100 MF6

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer high flow 33% mineral filled, high impact resistance and good mechanical properties.

General Information			
Filler / Reinforcement	Mineral filler, 33% filler by weight		
Features	Copolymer		
	Impact resistance, high		
	High 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)	22	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.70 - 0.90	%	Internal method
Flow direction	0.40 - 0.60	%	Internal method
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Break)	25	%	ISO 527-2/50
Flexural Modulus ¹	1800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	80	J/m	ASTM D256
0°C	110	J/m	ASTM D256
23°C	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Continuous Use Temperature ²	80.0	°C	IEC 60216
Vicat Softening Temperature			
--	135	°C	ISO 306/A50
--	60.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ³ (600°C)	33	%	ISO 3451

Injection	Nominal Value	Unit
Processing (Melt) Temp	180 - 200	°C
Mold Temperature	30.0 - 50.0	°C
Injection Rate	Fast	
Injection instructions		
Pre-heat Temperature: 70 to 80°CPre-heat Time: 3 hr		
NOTE		
1.	1.0 mm/min	
2.	20,000 hr	
3.	1 hr	

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

