HAIPLEN EP70 C8

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer calcium carbonate filled 40%.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D)

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Additive	Heat Stabilizer UV Stabilizer		
Features	Copolymer Detergent Resistant Good UV Resistance Heat Stabilized Laser Markable		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.24	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.90	%	
Across Flow	0.90	%	
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570, ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	30.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	22	%	ASTM D638, ISO 527-2
Flexural Modulus	2600	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
-20°C	25	J/m	ASTM D256, ISO 180
0°C	35	J/m	ISO 180, ASTM D256
23°C	50	J/m	ASTM D256, ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648, ISO 75-2/A

Vicat Softening Temperature			
--	152	°C	ASTM D1525, ISO 306/A 2 [1]
--	75.0	°C	ASTM D1525, ISO 306/B 3 [2]
Ball Pressure Test (125°C)	Pass		VDE 0470
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Fast		
NOTE			
1.	Loading 1 (10 N)		
2.	Loading 2 (50 N)		

Recommended distributors for this material

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