Hoegolen® AIM GF10 blue 5117

High Density Polyethylene

HP-T Höglmeier Polymer-Tech GmbH & Co. KG

Message:

Product features:
Glass fiber reinforced high density polyethylene compound (PE -HD)
Granules cylindrical
Antioxidants, impact resistance
Applications:
Injection mold of technical parts

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Antioxidant		
Features	Antioxidant Good Impact Resistance High Density		
Appearance	Blue		
Forms	Granules		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	1.01	g/cm³	DIN 53479
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	12	g/10 min	ISO 1133
Ash Content	12	%	DIN EN 60
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 132/30)	39.0	MPa	DIN 53435
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	11.0	MPa	
--	24.0	MPa	
Tensile Strain (Break)	37	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-23°C	9.0	kJ/m²	
23°C	13	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-23°C	78	kJ/m²	
23°C	150	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Vicat Softening Temperature	124	°C	ISO 306/A50
Peak Crystallization Temperature (DSC)	143	°C	ISO 3146

Injection	Nominal Value	Unit
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	30.0 to 60.0	°C

Recommended distributors for this material

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