

ALTECH® PA66 ECO 2020/116 GF20 IM

Polyamide 66

ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 ECO 2020/116 GF20 IM is a polyamide 66 (nylon 66) product that contains 20% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH® The application fields of PA66 ECO 2020/116 GF20 IM include construction application, housing, engineering/industrial accessories and automobile industry.

Features include:

flame retardant/rated flame

Comply with REACH standard

environmental protection/green

ROHS certification

Impact modification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	Impact modifier		
Recycled Content	Yes		
Features	Impact modification		
Uses	Pump parts		
	Building materials		
	Architectural application field		
	Application in Automobile Field		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	35.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2
Tensile Stress	110	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	4.0	kJ/m ²	ISO 179/1eA
-40°C	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU

--	34	kJ/m ²	ISO 179/1eU
-40°C	28	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	225	°C	ISO 75-2/A
Vicat Softening Temperature	240	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (3.0 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80	°C	
Drying Time - Desiccant Dryer	2.0 - 12	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 120	°C	

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