

ALTECH® PA66 ECO 2030/517 GF30 IM

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH®PA66 ECO 2030/517 GF30 IM is a polyamide 66 (nylon 66) product that contains 30% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: automotive industry.

Features include:

- Comply with REACH standard
- ROHS certification
- heat stabilizer
- excellent release agent

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 30% filler by weight		
Additive		heat stabilizer		
Features		Thermal Stability		
		Good demoulding performance		
Uses		Application in Automobile Field		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS compliance		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Lateral flow: 24 hours	0.70	--	%	ISO 294-4
Traffic: 24 hours	0.30	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.9	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	6000	MPa	ISO 527-2
Tensile Stress (Yield)	140	90.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	--	4.0	%	ISO 527-2
Fracture	3.0	--	%	ISO 527-2
Flexural Modulus	8000	5900	MPa	ISO 178
Flexural Stress				ISO 178
3.5% strain	200	--	MPa	ISO 178
--	--	150	MPa	ISO 178
Flexural Deflection at Max Force	5.0	--	%	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength	8.0	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	55	60	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/A
Vicat Softening Temperature	250	--	°C	ISO 306/B50
Injection	Dry	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 - 100		°C	

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