

ALTECH® PA66 ECO 1000/617.03

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH®PA66 ECO 1000/617.03 is a polyamide 66 (nylon 66) product. 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 1000/617.03 include housing, engineering/industrial accessories, electrical/electronic applications, cans and automobile industries.

- Features include:
- flame retardant/rated flame
 - Comply with REACH standard
 - environmental protection/green
 - ROHS certification
 - Impact modification

General Information			
Additive	Impact modifier		
Recycled Content	Yes		
Features	Impact modification		
Uses	Battery box		
	Electrical/Electronic Applications		
	Accessories		
	Application in Automobile Field		
	Water tank		
	Sporting goods		
	Shell		
	Bearing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	45.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	5.0	kJ/m²	ISO 179/1eA

-40°C	3.0	kJ/m ²	ISO 179/1eA
-20°C	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	40	kJ/m ²	ISO 179/1eU
-40°C	30	kJ/m ²	ISO 179/1eU
-20°C	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	190	°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	270 - 290	°C	
Mold Temperature	40 - 80	°C	

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