

ALTECH® PA66 ECO 1000/116 DPM004

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH®PA66 ECO 1000/116 DPM004 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 1000/116 DPM004 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			
Additive	Impact modifier		
	heat stabilizer		
Recycled Content	Yes		
Features	Impact modification		
	Thermal Stability		
Uses	Building materials		
	Architectural application field		
	Accessories		
	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	1.12	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	70.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Break)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

--	8.0	kJ/m ²	ISO 179/1eA
-40°C	6.0	kJ/m ²	ISO 179/1eA
-20°C	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-40°C	80	kJ/m ²	ISO 179/1eU
-20°C	100	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	200	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

