

ALTECH® PA66 ECO 1000/517

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH®PA66 ECO 1000/517 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 1000/517 include housing, engineering/industrial accessories and automobile industries.

Features include:

- flame retardant/rated flame
- Comply with REACH standard
- ROHS certification

General Information			
Uses	Application in Automobile Field		
	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)	65.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	6.0	kJ/m²	ISO 179/1eA
-40°C	5.0	kJ/m²	ISO 179/1eA
-20°C	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	54	kJ/m²	ISO 179/1eU
-40°C	45	kJ/m²	ISO 179/1eU
-20°C	48	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	180	°C	ISO 306/B50

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.5 mm	HB	UL 94
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

