

ALTECH® ABS ECO 2017/500 GF17

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS ECO 2017/500 GF17 is an acrylonitrile butadiene styrene (ABS) product, which contains a filler of 17% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

flame retardant/rated flame

Comply with REACH standard

ROHS certification

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 17% filler by weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	15.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	133	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2
Tensile Stress	62.0	MPa	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	5400	MPa	ISO 178
Flexural Stress	96.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	14	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	13	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	101	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B120
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	80	°C	

Hot air dryer	80	°C
Drying Time		
Dehumidification desiccant	3.0 - 8.0	hr
Hot air dryer	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Processing (Melt) Temp	220 - 260	°C
Mold Temperature	50 - 80	°C

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Recommended distributors for this material

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