

ALTECH® ABS A 1000/170

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/170 is an acrylonitrile butadiene styrene (ABS) 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 ABS A 1000/170 include building applications, medical/health care, electrical/electronic applications, electrical appliances and houses.

Features include:

Comply with REACH standard

ROHS certification

Stable

General Information			
Additive	Processing stabilizer		
Features	Good liquidity		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Valve/valve components		
	Personal care		
	Piping system		
	Building materials		
	Architectural application field		
	Shell		
	Medical/nursing supplies		
	Printing machine parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	28.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	108	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
--	12	kJ/m ²	ISO 179/1eA
-40°C	5.0	kJ/m ²	ISO 179/1eA
-20°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	100	kJ/m ²	ISO 179/1eU
-40°C	70	kJ/m ²	ISO 179/1eU
-20°C	80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	80	°C	
Hot air dryer	80	°C	
Drying Time			
Dehumidification desiccant	3.0 - 6.0	hr	
Hot air dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	50 - 80	°C	

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