

ALTECH® ABS A 1000/160

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/160 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® ABS A 1000/160 include consumer goods, engineering/industrial parts, housings and printing applications.

Characteristics include:

REACH Compliant

RoHS Compliant

Stabilized

General Information			
Additive	Processing Stabilizer		
Features	Good Flow		
Uses	Housings		
	Luggage		
	Printer Parts		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	17.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	110	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	45.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	17	kJ/m²	
-20°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	90	kJ/m²	
-20°C	75	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+14	ohms	IEC 60093
Volume Resistivity	2.0E+16	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	80.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
Circulation Dryer	3.0 to 6.0	hr	
Desiccant Dryer	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	50.0 to 80.0	°C	

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