

ALTECH® ABS A 1000/188

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/188 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion or injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALTECH® ABS A 1000/188 include automotive, medical/healthcare and kitchenware.

Characteristics include:

REACH Compliant

RoHS Compliant

Good Mold Release

General Information			
Features	Good Mold Release		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Kitchenware		
	Medical/Healthcare Applications		
	Personal Care		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	6.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	81.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress	40.0	MPa	ISO 527-2
Tensile Strain (Break)	14	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	29	kJ/m ²	
-40°C	20	kJ/m ²	
-20°C	22	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

--	No Break		
-40°C	No Break		
-20°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
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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