

ALTECH® ABS A 1000/187

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/187 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

High Flow

Stabilized

General Information			
Additive	Processing Stabilizer		
Features	High Flow		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	40.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	102	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	42.0	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress			ISO 178
3.5% Strain	69.0	MPa	
--	70.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	13	kJ/m ²	
-40°C	7.0	kJ/m ²	
-20°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	77	kJ/m ²	
-40°C	56	kJ/m ²	
-20°C	63	kJ/m ²	
Notched Izod Impact Strength (23°C)	15	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	82.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ISO 306/B50
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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