

ALTECH® ABS A 1000/907

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/907 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 areas of ABS A 1000/907 include houses and tools.

Features include:

Comply with REACH standard

ROHS certification

high liquidity

beautiful

General Information			
Features	High liquidity		
	Excellent appearance		
Uses	Power/other tools		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	34.0	cm³/10min	ISO 1133
Molding Shrinkage (24 hr)	0.40 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	44.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.4	%	ISO 527-2
Fracture	12	%	ISO 527-2
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	18	kJ/m²	ISO 179/1eA
-30°C	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	130	kJ/m²	ISO 179/1eU
-30°C	90	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	25	kJ/m²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	89.0	°C	ISO 75-2/B
1.8 MPa, not annealed	78.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	102	°C	ISO 306/A50
--	95.0	°C	ISO 306/B50
Thermal Conductivity ¹	0.20	W/m/K	ISO 22007-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093
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	
NOTE			
1.	Integral		

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