

ALTECH® ABS A 1000/139 AS

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/139 AS 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:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Antistatic

General Information			
Additive	Antistatic		
Features	Antistatic		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	40.0	cm³/10min	ISO 1133
Water Absorption (Saturation, 23°C)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	45.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	92	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	83.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	650	°C	
2.00 mm	650	°C	

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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Recommended distributors for this material

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