

ALTECH® ABS A 1000/172 UV

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

Message:

ALTECH® ABS A 1000/172 UV 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 1000/172 UV include automotive, housings and sporting goods.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Stabilized
- UV Stabilized

General Information			
Additive	Processing Stabilizer		
	UV Stabilizer		
Features	Good Flow		
Uses	Automotive Applications		
	Housings		
	Sporting Goods		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	31.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	111	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	44.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.0	%	
Break	3.0	%	
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	73.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

--	12	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	77	kJ/m ²	
-40°C	65	kJ/m ²	
-20°C	66	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
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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