

ALTECH® ASA A 1000/128 UV

Acrylonitrile Styrene Acrylate

ALBIS PLASTIC GmbH

Message:

ALTECH® ASA A 1000/128 UV is an Acrylonitrile Styrene Acrylate (ASA) 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
- Chemical Resistant
- Good Weather Resistance

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Chemical Resistance		
	Good Weather Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	6.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	55.0	MPa	
--	55.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	6.0	%	
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress			ISO 178
--	78.0	MPa	
3.5% Strain	75.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA

--	12	kJ/m ²	
-40°C	2.0	kJ/m ²	
-20°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		
-40°C	45	kJ/m ²	
-20°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
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	
3.00 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	240 to 280	°C	
Mold Temperature	40.0 to 80.0	°C	

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