

ALTECH® SAN A 1000/587.01

Styrene Acrylonitrile
ALBIS PLASTIC GmbH

Message:

ALTECH® SAN A 1000/587.01 is a Styrene Acrylonitrile (SAN) 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 Mold Release

General Information			
Features	Good Chemical Resistance		
	Good Flow		
	Good Mold Release		
	High ESCR (Stress Crack Resist.)		
	High Gloss		
	High Stiffness		
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)	25.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	163	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3750	MPa	ISO 527-2
Tensile Stress	71.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress			ISO 178
--	112	MPa	
3.5% Strain	37.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	19	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	89.0	°C	ISO 75-2/A
Vicat Softening Temperature	103	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
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	210 to 260	°C	
Mold Temperature	40.0 to 80.0	°C	

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