

ALTECH® PS A 1000/500

High Impact Polystyrene

ALBIS PLASTIC GmbH

Message:

ALTECH® PS A 1000/500 is a High Impact Polystyrene 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

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	88.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	25.0	MPa	
--	25.0	MPa	
Tensile Strain			ISO 527-2
Yield	1.0	%	
Break	11	%	
Flexural Modulus	2250	MPa	ISO 178
Flexural Stress			ISO 178
--	40.0	MPa	
3.5% Strain	39.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	50	kJ/m ²	
-40°C	25	kJ/m ²	
-20°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	76.0	°C	ISO 75-2/A

Vicat Softening Temperature	81.0	°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	60.0 to 80.0	°C	
Desiccant Dryer	60.0 to 80.0	°C	
Drying Time			
Circulation Dryer	2.0 to 3.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Processing (Melt) Temp	180 to 260	°C	
Mold Temperature	10.0 to 70.0	°C	

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Recommended distributors for this material

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