

ALTECH® MBS A 1000/500

General Purpose Polystyrene

ALBIS PLASTIC GmbH

Message:

ALTECH® MBS A 1000/500 is a General Purpose 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
- Impact Modified
- Stabilized

General Information			
Additive	Impact Modifier		
	Processing Stabilizer		
Features	Impact Modified		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	55.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	33.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
--	26.0	MPa	
Tensile Strain			ISO 527-2
Yield	2.0	%	
Break	45	%	
Flexural Modulus	2050	MPa	ISO 178
Flexural Stress			ISO 178
--	42.0	MPa	
3.5% Strain	34.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	6.0	kJ/m ²	
-40°C	2.0	kJ/m ²	

-20°C	2.0	kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU	
--	450	kJ/m ²	
-40°C	20	kJ/m ²	
-20°C	25	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	71.0	°C	ISO 75-2/A
Vicat Softening Temperature	70.0	°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	65.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	10.0 to 60.0	°C	

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