

UNIBRITE® UB-500A

Acrylonitrile Ethylene Styrene

Nippon A&L; Inc.

Message:

UNIBRITE®UB-500A is an acrylonitrile ethylene styrene (AES) material. This product is available in North America or Asia Pacific region. The processing method is injection molding. UNIBRITE®The main characteristics of the UB-500A are: impact resistance.

General Information			
Features	Impact resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	18.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2350	MPa	ISO 178
Flexural Stress (23°C)	77.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	24	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	82.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	8.0E-5	cm/cm/°C	JIS K7197
Additional Information			
Ball Pressure Registration Temperature: 90°C			
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	200 - 260	°C	
Middle Temperature	200 - 260	°C	
Front Temperature	200 - 260	°C	
Mold Temperature	40.0 - 80.0	°C	

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