

UNIBRITE® UB-830

Acrylonitrile Ethylene Styrene

Nippon A&L; Inc.

Message:

UNIBRITE® UB-830 is an Acrylonitrile Ethylene Styrene (AES) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of UNIBRITE® UB-830: Heat Resistant.

General Information			
Features	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	114		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	51.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2450	MPa	ISO 178
Flexural Stress (23°C)	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	23	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	89.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	7.6E-5	cm/cm/°C	JIS K7197
Injection	Nominal Value	Unit	
Drying Temperature	85.0 to 95.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	220 to 280	°C	
Middle Temperature	220 to 280	°C	
Front Temperature	220 to 280	°C	
Mold Temperature	40.0 to 80.0	°C	

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Recommended distributors for this material

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