

UNIBRITE® UA-1300

Acrylonitrile Styrene Acrylate

Nippon A&L; Inc.

Message:

UNIBRITE® UA-1300 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in Asia Pacific or North America for injection molding.

General Information			
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)	20.0	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)	113		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)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	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)	7.7E-5	cm/cm/°C	JIS K7197
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	200 to 260	°C	
Middle Temperature	200 to 260	°C	
Front Temperature	200 to 260	°C	
Mold Temperature	40.0 to 80.0	°C	

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Recommended distributors for this material

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