

UNIBRITE® UA-1800

Acrylonitrile Styrene Acrylate

Nippon A&L; Inc.

Message:

UNIBRITE® UA-1800 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of UNIBRITE® UA-1800: Heat Resistant.

General Information			
Features	Medium Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12.0	cm³/10min	ISO 1133
Molding Shrinkage	0.40 to 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)	2300	MPa	ISO 178
Flexural Stress (23°C)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	86.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	8.1E-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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