

UNIBRITE® UB-311

Acrylonitrile Ethylene Styrene

Nippon A&L; Inc.

Message:

UNIBRITE®UB-311 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-311 are: flame retardant/rated flame.

General Information			
UL YellowCard	E54706-245236		
Forms	Particle		
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)	24.0	cm³/10min	ISO 1133
Molding Shrinkage	0.40 - 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)	57.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2750	MPa	ISO 178
Flexural Stress (23°C)	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	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
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			
Ball Pressure Registration Temperature: 95°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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

