

Stylac™ IB331

Acrylonitrile Butadiene Styrene

Asahi Kasei Chemicals Corporation

Message:

Stylac™ IB331 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, or Europe.

Characteristics include:

Heat Resistant

High Viscosity

General Information			
Features	Medium Heat Resistance Ultra High Viscosity		
Uses	Blow Molding Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	1.8	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	1.90	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 2.50 mm)	107		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2650	MPa	ISO 178
Flexural Stress ²	86.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	17	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	116	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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