

Stylac™ ID31J

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ ID31J is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
	Paintable		
Uses	Paint		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	20.4	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 2.50 mm)	97		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	42.1	MPa	ISO 527-2/50
Flexural Modulus ¹	2150	MPa	ISO 178
Flexural Stress ²	66.6	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	32	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.7	°C	ISO 75-2/A
Vicat Softening Temperature	98.7	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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