

Stylac™ 321

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ 321 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
Flame Rated
Impact Resistant

General Information			
UL YellowCard	E171626-225526		
Features	General Purpose		
	High Impact Resistance		
Uses	General Purpose		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.02	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.9	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	9.20	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	89		ISO 2039-2
R-Scale, 2.50 mm	83		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.7	MPa	ISO 527-2/50
Flexural Modulus ¹	1800	MPa	ISO 178
Flexural Stress ²	55.5	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	36	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.8	°C	ISO 75-2/A
Vicat Softening Temperature	93.6	°C	ISO 306/B
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min

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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

