

Stylac™ 121

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ 121 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	E171626-225510		
Features	General Purpose		
	Good Impact Resistance		
Uses	General Purpose		
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)	14	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14.3	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	109		ISO 2039-2
R-Scale, 2.50 mm	103		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.4	MPa	ISO 527-2/50
Flexural Modulus ¹	2450	MPa	ISO 178
Flexural Stress ²	75.3	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	27	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	81.2	°C	ISO 75-2/A
Vicat Softening Temperature	101	°C	ISO 306/B
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Ball Pressure Test ³	90	°C	EMAC
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

NOTE

- | | |
|----|---------------------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |
| 3. | Registered Number: B-1558 |

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