

Stylac™ 120

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ 120 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
Flame Rated
Good Stiffness

General Information			
Features	General Purpose		
	Good Stiffness		
Uses	General Purpose		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	16.6	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	111		ISO 2039-2
R-Scale, 2.50 mm	108		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	51.2	MPa	ISO 527-2/50
Flexural Modulus ¹	2700	MPa	ISO 178
Flexural Stress ²	82.4	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	17	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	82.8	°C	ISO 75-2/A
Vicat Softening Temperature	103	°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
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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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

