

Starex SF-0950

Methyl Methacrylate / ABS

SAMSUNG SDI CO., LTD.

Message:

Starex SF-0950 is a Methyl Methacrylate / ABS (MABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	13	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955, ISO 2577
Flow : 3.20 mm	0.29 to 0.36	%	
Across Flow : 3.20 mm	0.31 to 0.38	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	113		ASTM D785, ISO 2039-2
Pencil Hardness ¹	H		JIS K5401
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ²	2500	MPa	ASTM D638
--	2600	MPa	ISO 527-2/50
Tensile Strength			
Yield ³	51.0	MPa	ASTM D638
Yield	55.0	MPa	ISO 527-2/50
Break ⁴	34.0	MPa	ASTM D638
Break	40.0	MPa	ISO 527-2/50
Tensile Elongation			
Break ⁵	25	%	ASTM D638
Break	20	%	ISO 527-2/50
Flexural Modulus			
-- ⁶	2600	MPa	ASTM D790
-- ⁷	2700	MPa	ISO 178
Flexural Strength			
-- ⁸	74.0	MPa	ASTM D790
-- ⁹	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹⁰ (23°C)	8.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	110	J/m	ASTM D256
23°C, 6.35 mm	98	J/m	ASTM D256

23°C ¹¹	9.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	98.0	°C	ASTM D648
0.45 MPa, Unannealed, 4.00 mm	91.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	92.0	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature			
--	85.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	4.0	hr	
Desiccant Dryer	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	200 to 210	°C	
Middle Temperature	210 to 220	°C	
Front Temperature	230	°C	
Nozzle Temperature	240	°C	
Mold Temperature	60.0	°C	
Injection Pressure	73.5 to 235	MPa	
Back Pressure	0.490 to 1.96	MPa	
Screw Speed	30 to 50	rpm	
NOTE			
1.	Condition: 500g		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	5.0 mm/min		
5.	5.0 mm/min		
6.	2.8 mm/min		
7.	2.0 mm/min		
8.	2.8 mm/min		
9.	2.0 mm/min		
10.	Thickness: 4 mm		
11.	Thickness: 4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

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

