

Starex VE-0856

Acrylonitrile Butadiene Styrene

SAMSUNG SDI CO., LTD.

Message:

Starex VE-0856 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard		E115797-219591	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955, ISO 2577
Flow : 3.20 mm	0.30 to 0.40	%	
Across Flow : 3.20 mm	0.30 to 0.40	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1200	MPa	ASTM D638
--	2010	MPa	ISO 527-2/50
Tensile Strength			
Yield ²	39.0	MPa	ASTM D638
Yield	43.0	MPa	ISO 527-2/50
Break ³	26.0	MPa	ASTM D638
Break	31.0	MPa	ISO 527-2/50
Tensile Elongation			
Break ⁴	18	%	ASTM D638
Break	3.0	%	ISO 527-2/50
Flexural Modulus			
-- ⁵	2000	MPa	ASTM D790
-- ⁶	2240	MPa	ISO 178
Flexural Strength			
-- ⁷	53.0	MPa	ASTM D790
-- ⁸	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	24	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	180	J/m	ASTM D256
23°C, 6.35 mm	170	J/m	ASTM D256

23°C ¹⁰	25	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 6.40 mm	101	°C	ASTM D648
0.45 MPa, Unannealed, 4.00 mm	87.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	80.0	°C	ASTM D648
1.8 MPa, Unannealed, 4.00 mm	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
2.00 mm	5VB		
	V-0		
2.50 mm	5VB		
	V-0		
3.00 mm	5VA		
Injection	Nominal Value	Unit	
Drying Temperature			
--	85.0	°C	
Desiccant Dryer	80.0	°C	
Drying Time			
--	2.0 to 4.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Suggested Max Moisture	< 0.10	%	
Rear Temperature	180 to 190	°C	
Middle Temperature	200	°C	
Front Temperature	200 to 210	°C	
Nozzle Temperature	210	°C	
Mold Temperature	40.0 to 70.0	°C	
Injection Pressure	98.1	MPa	
Back Pressure	0.981 to 2.45	MPa	
Screw Speed	60 to 90	rpm	
NOTE			
1.	5.0 mm/min		

2.	5.0 mm/min
3.	5.0 mm/min
4.	5.0 mm/min
5.	2.8 mm/min
6.	2.0 mm/min
7.	2.8 mm/min
8.	2.0 mm/min
9.	Thickness: 4 mm
10.	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

