

Starex VB-4921

Acrylonitrile Butadiene Styrene
SAMSUNG SDI CO., LTD.

Message:

Starex VB-4921 is an Acrylonitrile Butadiene Styrene (ABS) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E115797-219585		
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	83.0	MPa	ASTM D638
Flexural Modulus ²	5500	MPa	ASTM D790
Flexural Strength ³	110	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	98.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
	V-2		
Flame Rating (2.10 mm)	V-1	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°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	< 0.050	%	
Rear Temperature	180 to 190	°C	
Middle Temperature	200 to 210	°C	
Front Temperature	220 to 230	°C	
Nozzle Temperature	240	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	49.0 to 245	MPa	

Back Pressure	0.490 to 1.96	MPa
Screw Speed	50 to 150	rpm
NOTE		
1.	5.0 mm/min	
2.	2.8 mm/min	
3.	2.8 mm/min	

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

