

Starex VE-0857

Acrylonitrile Butadiene Styrene

SAMSUNG SDI CO., LTD.

Message:

Starex VE-0857 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			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.6	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	39.0	MPa	ASTM D638
Flexural Modulus ²	2000	MPa	ASTM D790
Flexural Strength ³	58.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	200	J/m	
23°C, 6.35 mm	120	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	79.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
	V-0		
2.50 mm	5VB		
	V-0		
3.00 mm	5VA		
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	160 to 180	°C
Middle Temperature	190 to 200	°C
Front Temperature	210 to 220	°C
Nozzle Temperature	220	°C
Mold Temperature	40.0 to 80.0	°C
Injection Pressure	49.0 to 147	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	

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