

Starex SV-0157

Acrylonitrile Butadiene Styrene

SAMSUNG SDI CO., LTD.

Message:

Starex SV-0157 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
UL YellowCard	E115797-219576		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	40.0	MPa	ASTM D638
Flexural Modulus ²	2000	MPa	ASTM D790
Flexural Strength ³	54.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	260	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
3.00 mm	V-0		
6.00 mm	V-0		
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	230	°C
Mold Temperature	40.0 to 80.0	°C
Injection Pressure	14.7 to 49.0	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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