

Starex WX-9300

Acrylonitrile Styrene Acrylate
SAMSUNG SDI CO., LTD.

Message:

Starex WX-9300 is an Acrylonitrile Styrene Acrylate (ASA) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	44.0	MPa	ASTM D638
Yield	50.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	2200	MPa	ASTM D790
-- ³	2400	MPa	ISO 178
Flexural Strength			
-- ⁴	67.0	MPa	ASTM D790
-- ⁵	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁶ (23°C)	14	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed, 4.00 mm)	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	99.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0 to 90.0	°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.	2.0 mm/min
4.	2.8 mm/min
5.	2.0 mm/min
6.	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

