

Ghaed SAN SAN-3

Styrene Acrylonitrile

Ghaed Basir Petrochemicals Co.

Message:

Classification: General grade.

Characteristic: high strength

Application: ABS Compounding, Electrical &electronic parts, Flow meter case&etc .

General Information	
Features	General Purpose
	High Strength
Uses	Compounding
	Electrical Housing
	Electrical/Electronic Applications
Processing Method	Compounding
	Injection Molding

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)	10 to 15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	> 85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 23°C)	> 71.6	MPa	ASTM D638
Flexural Modulus ² (23°C)	> 3140	MPa	ASTM D790
Flexural Strength ³ (23°C)	> 88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁴	> 1.5	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 88.0	°C	ASTM D648
Vicat Softening Temperature	> 97.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	

Drying Time	3.0	hr
Suggested Max Moisture	< 0.10	%
Rear Temperature	190 to 200	°C
Middle Temperature	200 to 220	°C
Front Temperature	210 to 220	°C
Nozzle Temperature	215 to 225	°C
Processing (Melt) Temp	230	°C
Mold Temperature	60.0 to 80.0	°C
Injection Rate	Slow-Moderate	

NOTE

1. 50 mm/min
2. 2.8 mm/min
3. 2.8 mm/min
4. 6.4mm
5. Rate A (50°C/h), Loading 2 (50 N)

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



WECHAT