

Ghaed SAN SAN-5

Styrene Acrylonitrile

Ghaed Basir Petrochemicals Co.

Message:

Classification: General grade.
Characteristic: super high strength ,high chemical resistance
Application: ABS Compounding, disposable lighter, pounding, Electrical &electronic parts,&etc

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	High Strength		
Uses	Compounding		
	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)	3.0 to 7.0	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)	> 90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 23°C)	> 78.5	MPa	ASTM D638
Flexural Modulus ² (23°C)	> 3240	MPa	ASTM D790
Flexural Strength ³ (23°C)	> 123	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ⁴	> 2.5	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 90.0	°C	ASTM D648
Vicat Softening Temperature	> 99.0	°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) |

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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

