

# Ghaed SAN SAN-2

Styrene Acrylonitrile

Ghaed Basir Petrochemicals Co.

Message:

Classification: General grade.

Characteristic: high flow, high transparency

Application: ABS Compounding ,office application,Cups,cosmetic container, Blower fan, pencil case, juicer, &etc

General Information	
Features	General Purpose
	High Clarity
	High Flow
Uses	Business Equipment
	Compounding
	Consumer Applications
	Containers
	Cups
	Stationary Supplies
	White Goods & Small Appliances
Appearance	Clear/Transparent
Processing Method	Compounding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19 to 24	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)	> 82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 23°C)	> 61.8	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (23°C)	> 3040	MPa	ASTM D790
Flexural Strength <sup>3</sup> (23°C)	> 68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength <sup>4</sup>	> 1.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 87.0	°C	ASTM D648
Vicat Softening Temperature	> 96.0	°C	ASTM D1525 <sup>5</sup>
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

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