

POLYMAN® (SAN) 24/5

Styrene Acrylonitrile

A. Schulman Europe

Message:

Standard SAN grade for injection molding and extrusion

General Information			
Processing Method	Extrusion		
	Injection Molding		
Resin ID (ISO 1043)	SAN		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	5.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	165	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	70.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	17	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	102	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	98.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	110	°C	ISO 306/A50
--	101	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Rear Temperature	180 to 200	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	240 to 250	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Pressure	100 to 150	MPa	
Injection Rate	Moderate-Fast		

Holding Pressure	30.0 to 90.0	MPa
Back Pressure	5.00 to 15.0	MPa
Screw Speed	< 600	mm/sec

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

