

Network Polymers SAN 250

Styrene Acrylonitrile
Network Polymers, Inc.

Message:

Network Polymers SAN 250 is a Styrene Acrylonitrile (SAN) product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (200°C/5.0 kg)	0.90	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	80.7	MPa	ASTM D638
Flexural Modulus	3580	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	11	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	91.1	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Shot Size	40 to 75	%	
Rear Temperature	160 to 182	°C	
Middle Temperature	182 to 221	°C	
Front Temperature	193 to 232	°C	
Nozzle Temperature	193 to 232	°C	
Processing (Melt) Temp	193 to 216	°C	
Mold Temperature	26.7 to 76.7	°C	
Injection Pressure	0.414 to 7.58	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.517 to 1.03	MPa	
Clamp Tonnage	2.8 to 4.1	kN/cm ²	

NOTE

1. Procedure A

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Recommended distributors for this material

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