

Network Polymers SAN 290

Styrene Acrylonitrile
Network Polymers, Inc.

Message:
Network Polymers SAN 290 is a Styrene Acrylonitrile (SAN) product. It is available in North America. Typical application: Food Contact Applications.
Primary characteristic: flame rated.

General Information			
Agency Ratings	FDA 21 CFR 181.32		
	FDA 21 CFR 181.32(a)(3)(ii)		
Appearance	Clear/Transparent		
	Light Blue		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.4	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	69.6	MPa	ASTM D638
Flexural Modulus - Tangent ²	3690	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	103	°C	ASTM D648
Vicat Softening Temperature	109	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		

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