

Hyril® SAN500

Styrene Acrylonitrile
Entec Polymers

Message:

Hyril® SAN500 is a Styrene Acrylonitrile (SAN) material. It is available in North America. Primary attribute of Hyril® SAN500: Copolymer.

General Information			
Features	Copolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	8.0	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)	125		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	71.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	3870	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	123	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			ASTM D648
0.45 MPa, Unannealed	96.7	°C	
1.8 MPa, Unannealed	85.6	°C	
Vicat Softening Temperature	108	°C	ASTM D1525 ¹
CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
Haze	0.60	%	ASTM D1003
NOTE			

1. Rate B (120°C/h), Loading 1 (10 N)

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