

PTS SAN-80HF

Styrene Acrylonitrile
Polymer Technology and Services, LLC

Message:

PTS SAN-80HF is a Styrene Acrylonitrile (SAN) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated
High Flow

General Information			
Features	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25	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)	73.1	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	3320	MPa	ASTM D790
Flexural Strength (Yield)	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	89.0	°C	ASTM D648
Vicat Softening Temperature	107	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.17 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 79.4	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	191 to 210	°C	
Middle Temperature	204 to 221	°C	
Front Temperature	216 to 229	°C	

Nozzle Temperature	204 to 229	°C
Mold Temperature	48.9 to 79.4	°C
Injection Pressure	68.3 to 137	MPa
Screw Speed	40 to 100	rpm

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Recommended distributors for this material

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