

# PTS SAN-82TR

Styrene Acrylonitrile  
Polymer Technology and Services, LLC

Message:

PTS SAN-82TR 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.

General Information			
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	40	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)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	64.1	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	3430	MPa	ASTM D790
Flexural Strength (Yield)	113	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	88.0	°C	ASTM D648
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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