

# Generic PS (Specialty)

Specialty Polystyrene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PS (Specialty)  
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01 - 1.21	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.8 - 10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	15.0 - 27.2	MPa	ASTM D638
23°C	22.0 - 53.4	MPa	ASTM D638
Tensile Elongation			
Fracture, 23°C	3.6 - 41	%	ASTM D638
Fracture, 23°C	2.0 - 30	%	ISO 527-2
Flexural Modulus (23°C)	1290 - 22000	MPa	ASTM D790
Flexural Strength (23°C)	20.0 - 63.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	11 - 100	J/m	ASTM D256
Unnotched Izod Impact (23°C)	14 - 330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0 - 81.0	°C	ASTM D648
Vicat Softening Temperature			
--	88.9 - 103	°C	ASTM D1525
--	83.0 - 105	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 - 2.5E+11	ohms	ASTM D257
Volume Resistivity (23°C)	1.0E+4 - 2.5E+12	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Processing (Melt) Temp	219 - 220	°C	
Mold Temperature	44.8 - 50.0	°C	
Injection instructions			
This data represents typical values that have been calculated from all products classified as: Generic PS (Specialty)This information is provided for comparative purposes only.			
Extrusion	Nominal Value	Unit	
Melt Temperature	220 - 230	°C	
Extrusion instructions			

This data represents typical values that have been calculated from all products classified as: Generic PS (Specialty) This information is provided for comparative purposes only.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co., Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT