

## Technical Datasheet

### FEATURES

- Exceptional flow characteristics
- Good for thin wall and complex parts
- USP Class VI certified

### APPLICATIONS

- Single service cutlery and drinkware
- Medical disposables
- Masterbatch compounding

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Flow Rate, 200 °C/5 kg	ASTM D 1238	g/10 min	14
<b>Mechanical Properties</b>			
Izod Notched Impact Strength, 23°C (73°F)	ASTM D 256	ft-lb/in	0.4
Tensile Modulus	ASTM D 638	psi x 103	460
Elongation, Failure	ASTM D 638	%	2
Flexural Strength	ASTM D 790	psi	11100
Flexural Modulus	ASTM D 790	psi x 103	480
Hardness, Rockwell	ASTM D 785	M scale	74
<b>Thermal Properties</b>			
Vicat Softening Temperature, B/1 (120°C/h, 10N)	ASTM D 1525	°F	209
Coefficient of Linear Thermal Expansion	ASTM D 696	10-4/°F	0,4
<b>Electrical Properties</b>			
Dielectric Constant at 106 CPS (1000000 Hz, 0,0394 in)	ASTM D 150	-	2.5
Dielectric Strength, 1/8"	ASTM D 149	kV/in	500
<b>Optical Properties</b>			
Refractive Index, Sodium D Line	ASTM D 542	-	1.59
<b>Other Properties</b>			
Density	ASTM D 792	-	1.04
<b>Processing</b>			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 to 0.007

Typical values for uncolored products

# Styrolution PS 3600/3601

General Purpose Polystyrene (GPPS)



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## SUPPLY FORM

Styrolution PS 3600 can be supplied in two versions, with (grade name ending in 1) or without an external lubricant (grade name ending in 0) for improving pneumatic conveying. Styrolution PS resins are available in bulk railcar and bulk truckload quantities.

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## FOOD CONTACT COMPLIANCE STATEMENT

United States - Complies with the specifications contained in U.S.A. Food and Drug Administration (FDA) regulation 21 CFR 177.1640 for polystyrene and rubber modified polystyrene, and thus may be used in the United States as an article or a component of an article intended for use in contact with food, subject to any limitations described in the regulations. Canada - Please contact Styrolution for information on the use of this resin in the packaging of specific foodstuffs in Canada.

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## PRODUCT SAFETY

Styrolution PS resins are biologically and chemically inert, but improper disposal may present an ingestion hazard to wildlife. Where recycling of Styrolution PS resins is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended. Please contact Styrolution Technical Service for further information on recycling and disposal of Styrolution resins.

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