Styrolution PS 2610

General Purpose Polystyrene (GPPS)

Driving Success. Together.

Technical Datasheet

FEATURES

- Excellent toughness
- High melt strength
- Good flow and processability

APPLICATIONS

- Well suited for blending with HIPS
- Extruded packaging
- Thermoforming applications
- Appliance accessory parts

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 200 °C/5 kg	ASTM D 1238	g/10 min	3.6
Mechanical Properties			
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	12000
Flexural Modulus	ASTM D 790	psi x 103	480
Hardness, Rockwell	ASTM D 785	M scale	75
Thermal Properties			
Vicat Softening Temperature, B/1 (120°C/h, 10N)	ASTM D 1525	°F	208
Coefficient of Linear Thermal Expansion	ASTM D 696	10-4/°F	0,4
Electrical Properties			
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
Optical Properties			
Refractive Index, Sodium D Line	ASTM D 542	-	1.59
Light Transmission at 550 nm	ASTM D 1003	%	88 - 90
Other Properties			
Density	ASTM D 792	-	1.04
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 to 0.007

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Typical values for uncolored products

SUPPLY FORM

Styrolution PS resins are available in bulk railcar and bulk truckload quantities.

FOOD CONTACT COMPLIANCE STATEMENT

United States - Complies with the specifications contained in U.S.A. Food and Drug Administation (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.

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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