



الشركة المصرية لإنتاج الستيرين و البولي ستيرين
Egyptian Styrene and Polystyrene Production Company

Standard Sales Specifications

General Purpose Polystyrene

Estyrenics GPPS 251

Property	Unit	Specification	Test conditions	Reference
<u>Physical Properties</u>				
Melt volume rate	cm ³ / 10 min	2-3.5	200 °C / 5kg	ISO 1133 R
<u>Thermal Properties</u>				
Vicat Softening Point	°C	99 min.	50 °C / hr ,5 kg	ISO 306 B
<u>Mechanical Properties</u>				
Tensile Strength @ Break	MPa	50	5 mm/min	ISO R 527-2
Tensile Modulus	MPa	3100	1 mm/min	ISO R 527-2
Elongation	%	3	5 mm/min	ISO R 527-2
Flexural Strength	MPa	100	2 mm/min	ISO 178
Flexural Modulus	MPa	2800	2 mm/min	ISO 178
Charpy Impact (Unnotched)	KJ/m ²	12	2 J pendulum	ISO 179 / 1 eU
<u>General Properties</u>				
Bulk density	g/ml	0.580		ISO 60

Note:

Information contained in the publication is true and accurate based on our current knowledge and experience

This information is to help users in processing and application of the product. Before using the product, users should carry out their own investigation and tests as many factors affect processing and application.

