



الشركة المصرية لإنتاج البوليستيرين والبوليكاستيرين (استيرنكس)
Egyptian Styrene & Polystyrene Production Company (Estyrenics)

Certificate of Analysis

Description of goods:
Estyrenics-GPPS-Grade 251
Lot number: 527
Date of issue: 14-04-2013

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Property	Unit	Value	Test Conditions	Reference
Physical Properties				
Melt Volume Rate	cm ³ /10 min	2.8	200 °C/5kg	ISO 1133R
Thermal Properties				
Vicat Softening Point	°C	102	50 °C/hr, 5kg	ISO 306 B
Mechanical Properties				
Tensile Strength @ Break	MPa	51.8	5 mm/min	ISO 527-2
Tensile Modulus	MPa	3190	1 mm/min	ISO 527-2
Elongation	%	3.8	5 mm/min	ISO 527-2
Flexural Strength	MPa	97.9	2mm/min	ISO 178
Flexural Modulus	MPa	2900	2mm/min	ISO 178
Charpy Impact (Unnotched)	KJ/m ²	10.5	2 J pendulum	ISO 179 / 1 eU
General Properties				
Bulk Density	g/ml	0.55		ISO 60

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