

TECHNICAL DATA SHEET**Product Description**

Polystyrene

<i>PROPERTY</i>	<i>TEST METHOD</i>	<i>UNITS</i>	<i>VALUE</i>
Elongation at Break	ISO 527	%	50
Flexural Modulus	ISO 178	Mpa	1800
Flexural Yield Strength	ISO 178	Mpa	35
Tensile Modulus	ISO 527	Mpa	2000
Tensile Yield Strength	ISO 527	Mpa	18
Izod Impact Strength (Notched)	ISO 180	KJ/m ²	7
Density	ISO 1183	g/cm ³	104
Melt Flow Rate (200°C / 5Kg)	ISO 1133	g/10min	10
Vicat Softening Point (5Kg/50°C/Hr)	ISO 306 B	°C	85
Flammability @ 3.2mm thickness	UL94 EQUIVALENT	Rating	HB

Perstyre 710 is a medium flow, high impact Polystyrene which is suitable for injection moulding.

Additional Information

JGP/Perrite manufacture a wide range of engineering thermoplastic compounds with filled flame retardant, impact modified variants available. All grades can be colour matched to meet specific customer requirements.

The information in this publication is based on our present technical knowledge and experience. In view of the large number of factors which may influence the processing and use of our products, the present information does not relieve processors and manufacturers of the need to carry out their own tests and experiments.