



Technical Datasheet PGPC 1309

Product Description:

GPSS 1309 is a General Purpose Polystyrene (GPSS) with easy flow and good clarity. It is recommended for application where a specific balance of flow and strength are important. In injection molding GPSS 1309 possesses low viscosity at the high shear rate. It is particularly suitable for glossy-layer co-extrusion.

Applications:

Packing articles, Petri dishes, Boxes for refrigerators, Office equipment.

Typical data:

Property	Test method	Unit	value
Melt flow rate @200°C & 5 kg load	ASTM D1238	g/10min	9-11
Vicat Softening point (10N)	D1525	°C	Min 91
Notched IZOD impact strength (23°C)	D256	KJ/m ²	1.5
Unnotched IZOD impact strength (23°C)	D256	KJ/m ²	8
Tensile strength at break	D638	Mpa	42
Elongation at break	D638	%	2.5
Tensile Modulus	D638	Mpa	3100
Water absorbtion	D570	%	<0.1
Moulding shrinkage	D955	%	0.4 – 0.8
Styrene Residual Monomer	CLGLABPSG004(ATOFINA TEST METHOD)	PPM	<500