

## Technical Datasheet

GPPS1240

### 1) Product Description:

GPPS1240 is a molecular weight crystal polystyrene for extrusion and injection moulding application with good mechanical properties.

### 2) Applications:

- ✓ Special extrusion
- ✓ Impact dilution
- ✓ Special injection molding

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	2.5
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	96
Tensile Stress at Break	ASTM D-638	MPA	53
Elongation at Break	ASTM D-638	%	3
Tensile Modulus	ASTM D-638	MPA	4300

\*All above mentioned data are typical values and not to be construed as real specifications. Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7)% (ASTM D-955) respectively. All tests are carried out at 23°C, unless otherwise stated. If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70°C for 2-4 hours.

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