

## Technical Datasheet

GPPS1070

### 1) Product Description:

GPPS1070 is a high molecular weight crystal polystyrene for special extrusion application with high mechanical properties.

### 2) Applications:

- ✓ Insulation sheet
- ✓ Special extrusion

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	1.7
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	104
Tensile Strength at Break	ASTM D-638	MPA	57
Elongation at Break	ASTM D-638	%	3
Tensile Modulus	ASTM D-638	MPA	4710

\*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 test 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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