

Technical Datasheet

GPPS1340

1) Product Description:

GPPS1340 is a high molecular weight crystal polystyrene for extrusion and injection molding. It is particularly useful in the production of sheet with high mechanical properties.

GPPS1340 can also be used in dilution with HIPS7240 for extrusion of sheet for thermoforming.

2) Applications:

- ✓ Sheet and profile extrusion
- ✓ Packaging
- ✓ Dilution of impact grades for extrusion
- ✓ Injection molding

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	4
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	97
Rockwell Hardness	ASTM D-785		SCALE/ L 70
Tensile Stress at Break	ASTM D-638	MPA	51
Elongation at Break	ASTM D-638	%	3
Tensile Modulus	ASTM D-638	MPA	4410

*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.