GPPS1540 is an easy flowing crystal polystyrene designed for extrusion or injection applications. It improves extruder output and thermoforming cycle time when mixed with a high impact polystyrene such as HIPS7240.It is particularly suitable for glossy-layer coextrusion.
Applications:
packaging articles,petri dishes,office equipments,pen barrels,crisper boxes for refrigerators,cups gloss layer coextrusion.anionic styrene butadiene copolymer dilution.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	11
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	91
ROCKWELL HARDNESS	-	ASTM D-1525	L SCALE/ 70
TENSILE STRENGTH AT BREAK	MPA	ASTM D-638	42
ELONGATION AT BREAK	%	ASTM D-638	2
TENSILE MODULUS	MPA	ASTM D-638	3100

*All above mentioned data are typical values and not to be construed as real specifications.Users should confirm results by their own tests.For more information about guaranteed items, please refer to S.S.S.(Standard Sales 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 in grade reference the fourth digit is "1"(1541) ,indicates an external lubricants is included.

If the injection molding products quality is affected by moisture,granules of GPPS could be dried at 70°C for 2-4 hours.

PROPERTY	UNIT	TEST METHOD	SPECIFICATION RANGE
MELT FLOW INDEX (200 °C - 5KG)	g/10min	ASTM D-1238	9-13
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	MIN 89.5
RESIDUAL MONOMER	PPM	ATOCHEM PSG-004	MAX 500

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