

Technical Datasheet

GPPS1540

1) Product Description:

GPPS1540 is 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-layer coextrusion. This grade has food contact approval.

2) Applications:

- ✓ Packaging articles
 - ✓ Petri dishes
 - ✓ Office equipment
 - ✓ Pen barrels
 - ✓ Crisper boxes for refrigerators, cups, food containers
- gloss layer coextrusion anionic styrene butadiene copolymer dilution.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	11
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	91
Rockwell Hardness	ASTM D-1525		SCALE/L 70
Tensile Strength at Break	ASTM D-638	MPA	42
Elongation at Break	ASTM D-638	%	2
Tensile Modulus	ASTM D-638	MPA	3100

*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 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.

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