

## Technical Datasheet

GPPS1540B

### 1) Product Description:

GPPS1540B is easy flowing crystal polystyrene designed for extrusion or injection applications. It improves extruder output and thermoforming cycle time when mixed with a super high impact polystyrene such as HIPS7240. It is not suitable for glossy-layer coextrusion.

### 2) Applications:

- ✓ Packaging articles
- ✓ Petri dishes
- ✓ Office equipment
- ✓ Pen barrels
- ✓ Crisper boxes for refrigerators
- ✓ Cups 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-785	-	L SCALE/ 70
Tensile Stress 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 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.

Address: No. 3, 12th Floor, A Block, Babak Plaza Building, Babak Ave, Baku, Azerbaijan

Tel: +994 124880752 | Email: [mr.info@mrchemicalaz.com](mailto:mr.info@mrchemicalaz.com) | [www.mrchemicalaz.com](http://www.mrchemicalaz.com)