

Technical Data Sheet**GPPS 1540**

General Purpose Polystyrene

GPPS 1540 is an easy flowing crystal polystyrene designed for extrusion or injection applications. In extrusion, it improves extruder output and thermoforming cycle time when mixed with a super high impact polystyrene such as HIPS 7240. It is particularly suitable for glossy-layer co-extrusion.

Applications

Extrusion: Impact dilution; Gloss layer in co-extrusion; Anionic styrene butadiene copolymer dilution.
Injection: Packaging articles; Medical applications, e.g., petri dishes; Office equipment; Pen barrels; Crisper boxes for refrigerators; Cups.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
Melt Flow Index(200°C/200Kg)	g/10 min	ASTM D-1238	11
Styrene Residual Monomer	PPM	CLG LABPSG004 (Atofina Test Method)	<500
Vicat Softening Point (50°C/hr 1 kg)	°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	2
Tensile Modulus	MPA	ASTM D	3100