

Technical Data Sheet

GPPS 1540
Normal 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.

PROPERTIES	UNIT	TEST METHOD	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