

G.P.P.S - 1540
GENERAL PURPOSE POLY STYRENE

- General Information

- 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. It does combine excellent fluidity with a softening point higher than GPPS 1810/1811 grade.

- Specification

Property	Unit	Value	Test Method
MFI (200°C/5kg)	g/10 min	11	ASTMD 1238
Styrene Residual Monomer	PPM	<500	CLGLABPSG004 (ATOFINA TEST METHOD)
Vicat Softening Point	°C	Min89.5	ASTMD 1525
Rockwell Hardness	-	Scale L70	ASTMD 785
Tensile Strength @ Yeild	MPa	-	ASTMD 638
Tensile Strength @ Break	MPa	45	ASTMD 638
Elongation @ Break	%	2	ASTMD 638
Flexural Modulus	MPa	3000	ASTMD 790
Tensile Modulus	-	3100	ASTMD 638
Refractive Index	-	1.591	ISO Method
Water Absorption	%	<0.1	ASTMD 570

- Density: 1.04gr/cm³ (app.)
- Approximate shrinkage in mould: 0.4-0.7% (ASTM D 955)
- All tests are carried out at 23OC unless otherwise stated.
- The above data are typical laboratory average, intended to serve as guides only.

- Food Contact Properties

GPPS 1540 is a food contact grade, unless the term “Non-Food Contact” is printed on the bags.

- Storage

GPPS1540 should be stored in dry and dust free environment at temperature below50oC. Exposure to direct sunlight should be avoided as this may lead to product deterioration.