



SIRJAN GOSTAR CO.

G.P.P.S - 1540
GENERAL PURPOSE POLYSTYRENE

- Product Description

GPPS 1540 is 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.

- Typical Data:

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.)

Shrinkage in mould : approximately 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 Processing:

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

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- 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.



- Storage:

GPPS1540 should be stored in dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

- Packing:

This product is packed in 25 Kg PE bags

- Food Contact:

The composition of products complies with the EC Directive 90/128/EEC for use in food contact applications.

- Processing Conditions:

GPPS1540 can be processed under different conditions depending on machinery available and articles moulded. During processing of GPPS1540 small quantities of styrene monomer may be released into the atmosphere. At styrene concentrations of 50 up to 100 PPM (TLV value for styrene monomer), no negative effects on health are expected.



Note: This Product is food contact in accordance with license No.21/14256 of food and drug administration of I.R. of IRAN. License No. is printed on every bag of the product.

IMPORTANT!

Food contact application of this product has been certified as notified above .however when it is used as raw material for further processing. The issued license will be no more valid for final products.

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