



GPPS 1540

General Purpose Polystyrene · Extrusion & Injection Grade

Also traded as Crystal PS · Origin: Iran

MFI (200 °C / 5 KG)

11 g/10 min

DENSITY

1.04 g/cm³

PROCESS

Extrusion / Injection

TENSILE MODULUS

3100 MPa

PRODUCT DESCRIPTION

GPPS 1540 is an easy-flowing crystal polystyrene for extrusion and injection moulding. It improves extruder output and thermoforming cycle time when blended with high-impact polystyrene and is particularly suitable for glossy-layer co-extrusion. Food-contact grade.

- Easy flowing
- Crystal clear & glossy
- Faster thermoforming cycles
- Food-contact grade

PROCESSING GUIDE

Process	Extrusion & injection
Melt temperature	180 – 240 °C
Pre-drying	70 °C, 2 – 4 h
Shrinkage	0.4 – 0.7 %

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Index (200 °C / 5 kg)	ASTM D1238	g/10 min	11
Density	ASTM D792	g/cm ³	1.04
Residual Styrene Monomer	GC method	ppm	< 500
Mould Shrinkage	ASTM D955	%	0.4 – 0.7
MECHANICAL			
Tensile Strength at Break	ASTM D638	MPa	42
Elongation at Break	ASTM D638	%	2
Tensile Modulus	ASTM D638	MPa	3100
Rockwell Hardness	ASTM D785	L scale	70
THERMAL			
Vicat Softening Point (1 kg, 50 °C/h)	ASTM D1525	°C	91

APPLICATIONS



Food Packaging & Cups



Petri Dishes & Lab Ware



Refrigerator Crisper Boxes



Office & Pen Barrels

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.

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