



HIPS 7240

High Impact Polystyrene · Sheet & Thermoforming Grade

Also traded as High Impact PS · Origin: Iran

MFI (200 °C / 5 KG)

4.5 g/10 min

DENSITY

1.04 g/cm³

PROCESS

Sheet Extrusion

ELONGATION

60 %

PRODUCT DESCRIPTION

HIPS 7240 is a very high impact polystyrene for the extrusion industry, designed to be diluted with crystal polystyrene. Its good melt strength makes it particularly suited to deep-draw thermoforming of dairy cups, trays and food containers. Available in white.

- Very high impact
- Good melt strength
- Deep-draw thermoforming
- Blends with GPPS

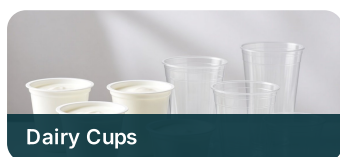
PROCESSING GUIDE

Process	Sheet extrusion & thermoforming
Melt temperature	190 – 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	4.5
Density	ASTM D792	g/cm ³	1.04
Residual Styrene Monomer	GC method	ppm	< 500
MECHANICAL			
Tensile Stress at Yield	ASTM D638	MPa	23
Tensile Stress at Break	ASTM D638	MPa	21
Elongation at Break	ASTM D638	%	60
Tensile Modulus	ASTM D638	MPa	1950
Izod Impact Strength	ISO 180	kJ/m ²	11
Rockwell Hardness	ASTM D785	R scale	65
THERMAL			
Vicat Softening Point (1 kg, 50 °C/h)	ASTM D1525	°C	97

APPLICATIONS



Dairy Cups



Food Trays



Egg Boxes



Industrial Sheet

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

Scan to request a quote for HIPS 7240 on WhatsApp.

+98 912 640 4020

◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

PHONE

+98 21 25903
+98 21 2611 6515

WHATSAPP

+98 912 640 4020
+98 912 859 5812

OFFICE

Pasdaran, Tehran
Iran

WEB

en.rabinpolymer.com
/product/hips-7240/

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

RP-TDS-HIPS-7240 · Rev.01 · 09/2026