

HIPS

HIGH IMPACT POLYSTYRENE

CAPABILITIES

- Gauge: .007" to .060" (178 to 1524 μ m)
- Width: 12" to 62" (304 to 1575mm)
- Core Size: 6" standard cores, 3" and 8" available
- Roll O.D.: 29" standard, up to 40" available
- Mono-layer and custom co-extrusion A/B, A/B/A, A/B/C
- Medical grade
- High gloss cap layers available
- Microwaveable grades available
- Graphic arts available
- Custom colors available
- Silicone coating available
- 5 strategic manufacturing locations

PROPERTIES

- Easily thermoformed
- Excellent yield
- Low gloss surface
- Offers good opacity in colors
- Tough, impact resistant sheet
- FDA compliant to CFR 21 #177.1640
- Polystyrene-based material
- Recycled content available
- Kosher material

TECHNICAL SPECIFICATIONS

	Value	Units	ASTM
Specific Gravity	1.05	grams/cm ²	
Shrinkage	0.4 to 0.6	%	D955
Yield	26,360	in ² /lb./mil of thickness	
Notched Izod	2.0 to 5.5	ft-lb/in	D265
Tensile Strength at Yield	1,500 to 4,500	psi	D638
Ultimate Elongation	20 to 125	%	D638
Flexural Modulus	200,000 to 400,000	psi	D790
Typical Thermoforming Temperature	260 to 330 (127 to 166)	°F (°C)	
Typical Range of Use	-40 to 165 (-40 to 77)	°F (°C)	

CHEMICAL RESISTANCE

- Acid Resistance.....Good to Excellent
- Strong Oxidizers.....Poor
- AlkaliesExcellent
- Hydrocarbon Solvents.....Poor
- Alcohols.....Good to Excellent
- Fat, Grease, and Oil.....Good

CAPABILITIES AND TECHNICAL SPECIFICATION

The capabilities we list reflect the standard capabilities we offer at the time of this printing. Our capabilities are likely to broaden as we add capacity and expand our product offering. Please call our Sales Team to further discuss your specific needs.

The data herein represents typical values by the methods indicated and should be so considered. Processing variables are a major factor in product performance, this information should serve only as a guide. To the best of our knowledge the data is correct. No warrant is made or implied. The corporation assumes no obligation or liability for the use of data presented.



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