

OPS SHEET

ORIENTED POLYSTYRENE

CAPABILITIES (European conversions in parentheses)

- Gauge: .005" to .025" (126 to 800 μ m)
- Width: 2" to 80" (51 to 2032mm)
- Core size: 6" standard core (3" and 8" available)
- Roll O.D.: 29" standard, up to 40" available
- Flash freeze grades available
- High heat blends available
- Recycled grades available
- Low residual monomer grades
- Impact modified blends available
- Gloss and matte available
- Silicone coating available
- Corona treatment available
- Anti-fog material available
- 6 strategic manufacturing locations

PROPERTIES

- Excellent clarity
- Has excellent stiffness, making downgauging a real possibility
- Virtually no taste and odor transfer so critical to sensitive products such as cookies and candies
- Forms easily with good definition
- FDA compliant to CFR 21 #177.1640
- Polystyrene based material

BARRIER PROPERTIES

- Water vapor.....Fair to good
- Gas.....Fair to good

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	
Tensile strength at yield	8,000 to 12,000	psi	D638
Ultimate Elongation	3 to 10	% (typical)	D638
Flexural modulus	400,000 to 450,000	psi	D790
Light transmission	Excellent		
Typical range of use	0 to 175 (-17 to 77)	°F (°C)	

CHEMICAL RESISTANCE

- AcidsGood to excellent
- Strong oxidizing acids.....Poor
- AlkaliesExcellent
- Hydrocarbon solventsPoor
- 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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