MULTI-PLASTICS EXTRUSIONS, INC

HIPS SHEET

Version: RD072024-HIPS

TYPICAL PROPERTIES OF
Natural Gloss Capped Cast HIPS Sheet – ENAHAB

Capabilities:

- Gauge: 0.010” – 0.035” (254 µm – 889 µm)
- Width: 12” – 50” (305mm – 1270mm)
- Core Size: 6” standard, 3” and 8” available
- Roll OD: 29” standard, up to 40” available
- Custom colors available
- Silicone coating available

Features:

- One-side gloss / one-side matte
- High elongation
- High strength and toughness
- Easily thermoformed
- FDA compliant for CFR 21#177.1640
- Kosher certified material

Properties	Units	Typical Values	Test Method
Yield	in^2/lb per mil	26,360	ASTM D4321
Density	g/cc	1.05	—
Shrinkage	%	0.5	ASTM D955
Tensile Strength at Yield	psi	3,200 – 4,000	ASTM D638
Ultimate Elongation	%	40 – 50	ASTM D638
Tensile Modulus	psi	185,000 – 200,000	ASTM D638
Haze	%	90	ASTM D1003
Gloss	%	> 100	ASTM D2457
Thermoforming Temperature	degree	270 – 310°F (132 – 154°C)	Internal
Range of Use	degree	-40 – 165°F (-40– 74°C)	Internal
Chemical Resistance			
Acid Resistance	—	Good to Excellent	Internal
Strong Oxidizers	—	Poor	Internal
Alkalies	—	Excellent	Internal
Hydrocarbon Solvents	—	Poor	Internal
Alcohols	—	Good to Excellent	Internal
Fat, Grease & Oil	—	Good	Internal

Thickness & Yields may vary by +/- 10%

All data represents typical values by the methods indicated and should be considered so. The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.