

# HIPS

## HIGH IMPACT POLYSTYRENE

from Multi-Plastics Extrusions, Inc. (MPX)



### VERSATILITY

### AND

### VALUE

Thermoformers can count on the same high quality and performance they expect from all MPX OPS sheet for other materials including High-Impact Polystyrene, the most widely used sheet for thermoformed packaging and parts.

#### **FAST FORMING, FAVORABLE ECONOMICS**

MPX 3200 Series High-impact polystyrene is perfect for many packaging applications. Our HIPS series are engineered for specific impact requirement and our HIPS products are known for fast processing rates. MPX 3200 HIPS is suitable for everything from medical packaging, to toys and game trays, to point of purchase displays. MPX's 3200 series virgin HIPS product offers economical alternatives for a variety of applications.

#### **MPX YOUR TOTAL RESOURCE FOR HIPS SHEET**

Fully integrated research, development and extrusion capabilities allow MPX to engineer and produce exactly the sheet required to meet your needs.

#### **QUALITY SHEET MADE WITH SUPERIOR CONTROL**

MPX'S fully integrated state-of-the-art facilities ensure superior levels of quality will be achieved through ISO 9001:2008 standards.

MPX offers two grades of High-impact Polystyrene products. MPX3200 Virgin and MPX3205 Utility grade.



FOR MORE INFORMATION CONTACT OUR SALES  
DEPARTMENT AT 888.456.8018



# Cast HIPS Sheet

June 2018

## MPX 3200 Prime Matte/Gloss

### CAPABILITIES

- Gauge: 10 to 35 Mils (254 to 889  $\mu\text{m}$ )
- Width: 12" to 28" (305 to 711 mm)
- Core Size: 6" standard cores, 3" and 8" available
- Roll O.D.: 29" standard, up to 40" available
- Custom Colors available
- Silicone coating available

### PROPERTIES

- Low Orientation
- Low Shrinkage
- High Elongation
- High Strength/Toughness
- Easily thermoformed
- FDA compliant CFR 21 #177.1640
- Kosher approved material

### TECHNICAL SPECIFICATIONS

	Value	Units	ASTM
Density	1.05	g/cc	
Mold Shrinkage	0.5	%	D955
Yield	26,360	in <sup>2</sup> /lb./mil of thickness	D4321
Tensile Strength at Yield	3,000	psi	D638
Ultimate Elongation	55	%	D638
Tensile Modulus	270,000	psi	D790
Typical Thermoforming Temperature	270 to 310 (132 to 155)	$^{\circ}\text{F}$ $^{\circ}\text{C}$	
Typical Range of Use	-40 to 165 (-40 to 74)	$^{\circ}\text{F}$ ( $^{\circ}\text{C}$ )	D3763
Gloss	60	%	D2457

### CHEMICAL RESISTANCE

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

*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.*

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