

Extruded high impact polystyrene (HIPS)

General Information

Extruded high impact polystyrene (HIPS) with low gloss. Available in black, white, tan. Thickness available at 3 - 23 mil

Physical Properties

Density	1.04	g/cm ³	ASTM - D792
Gloss (60°, chrome/matte)	12/8	GU	ASTM - D2457
Durometer Hardness - Type A (Shore A)	2.5	-	ASTM - D2240
Durometer Hardness - Type D (Shore D)	8.5	-	ASTM - D2240

Mechanical Properties

Tensile Strength at Break (MD/TD)	3270/3225	psi	ASTM - D882
Elongation at Break (MD/TD)	105/72	%	ASTM - D882

Thermal Properties

Melting Temperature	211	°C	ISO - 3146
Glass Transition Temperature	99	°C	ASTM - E1356
Vicat Softening Temperature	100	°C	ASTM - D1525
Melt Mass-Flow Rate (MFR) (200°C/5kg)	3.0	g/10 min	ASTM - D1238

Shelf Life

2 years from date of manufacture

Technical Information Notes

Data based on film of 15 mil thickness

Original Issue Date- 2/26/2020

Approval Date- 2/26/2020

Revision- A

Listed Values:

The above values are typical property values not to be construed as specification limits.

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