

# TP Thermoplastic Panel



## Description:

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Plascore TP Panels are made from a Plascore Polypropylene (PP) Honeycomb core with Oriented or Random Chopped Glass reinforced polypropylene facing both sides.

PP Honeycomb density/cell size and facing thicknesses can be modified for specific performance needs. Various surface treatments can be applied for color, adhesive bonding and printing.

These Lightweight, Durable, Tough and Structural sandwich panels offer superior strength to weight ratios.

## Applications:

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Ideal for doors, floors, walls, tables, platforms, packaging, pallets, dividers, etc.

Lightweight replacement for plywood and foam-cored panels.

## Features:

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- Moisture and Chemical Resistance
- UV Resistance
- Vibration and Acoustical Dampening
- Thermoformable
- Recyclable
- Economical

## Availability:

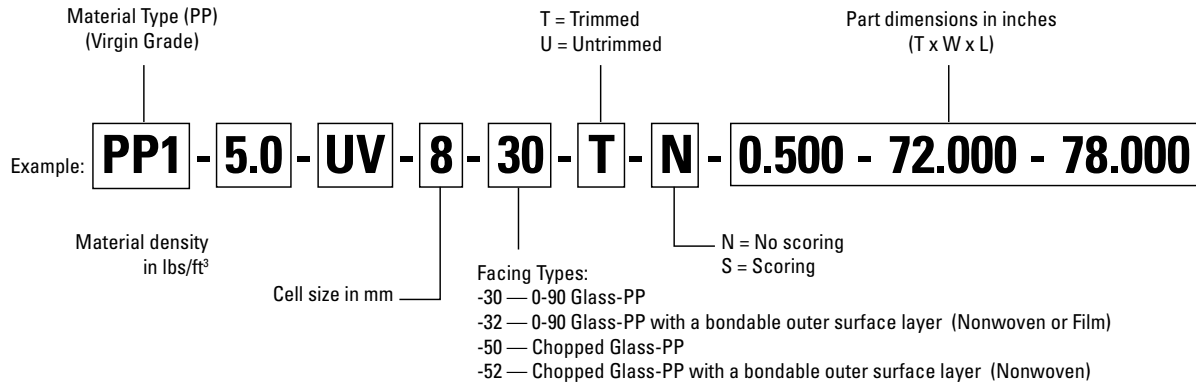
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<b>Thickness:</b>	3/8" – 5"	± .03"
<b>Length:</b>	up to 144"	± 1/8"
<b>Width:</b>	up to 72"	± 1/8"
<b>Finish:</b>	Commercial (Bondable, Printable, Non Porous versions available)	

**NOTE:** PP Honeycomb density/cell size and facing thicknesses can be modified for specific performance needs. Various surface treatments can be applied for color, adhesive bonding and printing.

# Thermoplastic (TP) Panel is specified as follows:

Material - Cell Size - Color - Thickness



## Typical (TP) Panel Mechanical Properties

PRODUCT ID	FACING TYPE	CORE TYPE	THICKNESS (INCHES)	WEIGHT (LBS/FT <sup>2</sup> )	COMPRESSION <sup>3</sup> STRENGTH (PSI)	FLEXURAL RIGIDITY <sup>4</sup> (EI/INCH-WIDTH)
PP1-5.0-UV-8-30	.02" T <sup>1</sup> 0-90 GLASS-PP	PP HONEYCOMB 5 PCF <sup>2</sup>	0.25	0.36	275	1,100
			0.50	0.46	275	4,400
			0.75	0.56	275	10,000
			1.0	0.67	275	17,000
PP1-5.0-UV-8-50	.03" T <sup>1</sup> CHOPPED GLASS-PP	PP HONEYCOMB 5 PCF <sup>2</sup>	0.5	0.5	275	2,850
			0.75	0.6	275	6,500
			1.0	0.7	275	11,000

<sup>1</sup> Other facing thicknesses and weights available

<sup>2</sup> Other PP Honeycomb densities available

<sup>3</sup> Per ASTM C365 (Stablized)

<sup>4</sup> Per ASTM C393 (4 pt 1/4 pt, 20" span)



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