



Material Data Sheet

Sizes: 2800x1400mm, 1400x1400mm, 1000x1000mm
Thicknesses: 10mm, 15m, 20mm
Finish: gloss

The Good Plastic Company produces materials from 100% recycled plastic, so each Good Plastic panel has its own unique properties. The figures below are representative based on sampling.

Material type		Polystyrene
Density	g/cm ³	1.043
Izod Impact Strength (notched)	kJ/m ²	n/a
Modulus of Elasticity (Chord 0.05%-0.25%)	MPa	2287
Tensile Maximum Load	N	6100
Tensile Strength (yield)	MPa	17.55
Tensile Strength (break)	MPa	14.29
Elongation at Break	%	3.8
Shore D Hardness	D	72.5

Colour

As The Good Plastic Company manufactures panels solely from 100% recycled plastics, some colour variance between batches is possible. Our main white and black materials are of 100% post-consumer origin. As the sources of waste change over time, so colour pigment consistency can also vary. We therefore have little control over batch colours. Plastic granules that appear identical to the human eye can turn out to have minor colour differences when they are melted into a panel. As a result, for black patterns shades may vary from deep black to matte ashy black, and for white patterns shades may range from a bleached/snow white to a mottled effect comprising off-white and milky white shades. This results from the origin of the material – household refrigerators – and reflects differences in the whiteness of the original appliances before recycling.

Thickness

Thickness is subject to a $\pm 1.5\text{mm}$ variance across the panel due to the properties of recycled plastic.



Workability

