

# FORMflex

## POLYPROPYLENE MATERIAL PROPERTIES

*Formflex clarified polypropylene random copolymer sheet has good see-through and contact clarity, low temperature toughness and colorability.*

*Formflex polypropylene is certified to conform to the following properties & tolerances:*

Melt Index (g/10min)	D 1238	.200 - .250
Density	D1505	.902 - .920
Tensile Strength @ (2 in./min)	D 638 (with type IV specimen)	
Yield (lb./sq. in.)		4,060
Elongation (%)		>13
1% Secant Modulus of Elasticity (lb./sq. in)	D 638	145,000
Water Absorption/24 hr.	D 570	nil
Rockwell Hardness (R-Scale)	D 785	69
Notched IZOD Impact Strength @ 73° (Ft. lb./in.)	D 256A	5.00
Heat Deflection Temp. @ 66 P.S.I. (°F)	D 648	180
Haze	D 1003	14%
UL Rating	UL 94	HB (Horizontal Burn)
Color Variance		+/- 2.0 Delta E
Flatness Tolerance		+/- 1/4" from level
Squareness Tolerance		+/- 1/16" / foot of length
Gauge Tolerance		</.035 +/- 10% >.035 +/- 7½%

We typically blend a small percentage of Anti-stat into each batch of material unless requested not to do so by our customers. Other additives such as Ultra Violet Inhibitors (UVI) are available upon request.

**FORMflex** polypropylene meets the conditions of section 21 CFR, Section 177.1520 of the USA Food and Drug Administration's (FDA) Code of Federal Regulations. The resin may be safely used to produce packaging material, containers, and equipment intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food.

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