

# PP-LIKE TRANSLUCENT WHITE



## Product Description

PP-Like Translucent White is translucent in appearance. It's also the most flexible stereolithography material available with a flexural modulus of 1,600 MPa. Its mechanical properties are similar to the average values of injection-molded polypropylene except for a slightly lower elongation at break.

## Applications

PP-Like Natural is often used for medical device prototypes, electrical casings, fluid flow analysis parts, and automotive components.



## Key Product Benefits

- ▶ Translucent
- ▶ Semi-flexible
- ▶ Enhanced feature details

## Tolerances

For well-designed parts, tolerances in the X/Y dimension of  $\pm 0.002$  in. (0.05mm) for the first inch plus  $\pm 0.001$  in./in., and Z-dimension tolerances of  $\pm 0.005$  in. (0.127mm) for the first inch plus  $\pm 0.001$  in./in. (0.001mm/mm), can typically be achieved. Note that tolerances may change depending on part geometry.

## Properties

| Property  | Test Method                    | Value                  |
|---|--------------------------------|------------------------|
| Color   | -                              | White                  |
| Density in solid state*                         | @ 25 °C (77 °F)                | 1.13 g/cm <sup>3</sup> |
| Water absorption (20 °C, 50% relative humidity) | ASTM D570                      | -                      |
| E-module (x-y plane)                            | ASTM D638, test speed 10mm/min | 1,600 $\pm$ 300 MPa    |
| Tensile strength (x-y plane)                    | ASTM D638, test speed 10mm/min | 35 $\pm$ 5 MPa         |
| Elongation at break (x-y plane)                 | ASTM D638, test speed 10mm/min | 25 $\pm$ 5%            |
| Heat deflection temperature @ 0.46 MPa*         | ASTM D648                      | 61 °C (142 °F)         |
| Heat deflection temperature @ 1.82 MPa*         | ASTM D648                      | 52 °C (126 °F)         |

\* From supplier data sheet