



Accura[®] 25

PP Class

Flexible plastic to simulate and replace CNC-machined white polypropylene articles.

Post-Cured Material

| MEASUREMENT | CONDITION | METRIC | U.S. |
|--|---|--|--------------------|
| Tensile Strength (MPa/PSI) | ASTM D 638 | 55-58 | 5540-5570 |
| Tensile Modulus (MPa/KSI) | ASTM D 638 | 1590-1660 | 230-240 |
| Elongation at Break (%) | ASTM D 638 | 13-20 | 13-20 |
| Flexural Strength (MPa/PSI) | ASTM D 790 | 55-58 | 7960-8410 |
| Flexural Modulus (MPa/KSI) | ASTM D 790 | 1380-1660 | 200-240 |
| Impact Strength (J/m /Ft-lbs/in) | ASTM D 256 | 19-24 | 0.4 |
| Heat Deflection Temperature | ASTM D 648 @ 66 PSI @ 264 PSI | 58-63 51-55 | 136-145 124-131 |
| Coefficient of Thermal Expansion (CTE) | ASTM E 831-93 TMA (T<T _g , 0-20 °C) TMA (T<T _g , 75-140 °C) | 107 x 10 ⁻⁶ 151 x 10 ⁻⁶ | 59.4 83.9 |
| Glass Transition (T _g) | DMA, E'' | 72-74 | 162-165 |
| Hardness, Shore D | | 80 | 80 |

Features

- Flexible
- Snap fit assemblies
- Master patterns for vacuum casting
- Durable functional prototypes

Liquid Material

| MEASUREMENT | CONDITION | VALUE |
|-------------------------------------|-----------------|---------------------------------|
| Viscosity | @ 30 °C (86 °F) | 250 cps |
| Penetration Depth (D _p) | | 4.2 mils |
| Critical Exposure (E _c) | | 10.5 mJ/cm ² |
| Color | | White |
| Solid Density | @ 25 °C (77 °F) | 1.19 g/cm ³ at 25 °C |
| Liquid Density | @ 25 °C (77 °F) | 1.13 g/cm ³ at 25 °C |



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