

PT8952 – SPECIFICATIONS



This casting material is a tough, impact resistant polyurethane formulated for vacuum casting and short mold cycle times. It simulates high impact Thermoplastic Olefin (TPO) materials for a range of prototyping and production applications. It can be easily colored with a wide range of colors.

LIQUID MATERIAL	
Hardness ASTM D-2240	85 Shore D
Flexural modulus ASTM D-790	424,275 psi
Flexural strength ASTM D-790	15,445 psi
Tensile modulus ASTM D-638	381,675 psi
Tensile strength ASTM D-638	10,650 psi
Elongation at break ASTM D-638	24.5%
Impact strength, Notched Izod ASTM D-256	1.6 ft.- lb./in.
Compressive modulus ASTM D-695	413,816 psi
Compressive strength ASTM D-695	15,360 psi
Heat deflection temperature ASTM D-648 @66 psi	179°F
Density ASTM D-792	0.0422 lb./in.3
Specific gravity ASTM D-1475	1.17 g/cm3

LIQUID MATERIAL	
Flammability per UL 94 Specification	UL Listed for UL 94 V-0 at 0.1 inch (2.6 mm) - UL File No. E238713 -
Coefficient of Thermal Expansion Range:100oF - 175oF	5.99 x 10-5 inch / inch / oF

APPLICATIONS

Commercial product testing
 Functional assembly
 Public surveys
 Field testing
 Visual evaluation
 Aesthetic evaluation