

UV POLYMERIZATION MATERIALS FOR UNLIMITED POSSIBILITIES

	PLASTCure Rigid 10 500*
Appearance	Ivory opaque
Liquid density (g/cm3)	1.60
Viscosity @ 28°C (cps)	900 - 1100
Hardness (Shore D)	90 - 95
Tensile Strength (MPa) ASTM D638	50 - 65
Strain at Break (%) ASTM D638	0.5 - 1
Tensile Modulus (MPa) ASTM D638	7700 - 8200
Flexural Strength (MPa) ASTM D790-10	65 - 90
Elongation at Break (%) ASTM D790-10	1.0 - 2.0
Flexural Modulus (MPa) ASTM D790-10	7000 - 8000
Izod Impact (J/m) ASTM D256A	N/A
HDT @ 0.46 MPa (°C) ASTM D648	120 - 125
Residual ash content	Not relevant
Water Absorption (%) ASTM D570	0.5 - 0.7
Specification	Excellent detail resolution & sidewall quality Easy finishing Superior thermomechanical properties Low thermal expansion
Typical Application Examples	Suitable for the manufacture of parts that require thermal stability, extreme accuracy and quick turnaround. Exceptional for parts designed for wind tunnel testing and unique applications in rapid tooling or high temperature testing, electrical casings, and automotive housings
By	DSM Somos

PRODWAYS
THE NEW WAY OF PRODUCING

PLASTCure MATERIALS

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A WIDE RANGE OF POSSIBILITIES

Our UV polymerization technology is designed to work with premium liquid resins and composites in the form of pastes that contain high levels of ceramic, metal, fibers, or nano-particles. Prodways is constantly working to develop new materials with unique mechanical properties (resistance and elasticity), physical properties, aesthetic properties (color and transparency, for example), and stability over time. With such a wide range of possibilities, Prodways can offer additive manufacturing solutions for many industries.

INNOVATION AND EXPERTISE

Prodways has a team of experts with the knowledge and experience to push materials technology into new territory. In addition, strong partnerships with established materials developers has allowed Prodways to be even more effective at providing solutions.