

## MATERIAL TECHNICAL DATA SHEET

# E-RIDGID FORM

## Polyurethane-like resin with high strength and stiffness.

E-Rigid Form is a polyurethane-like resin that 3D prints strong, hard, and stiff end-use parts. E-Rigid Form has high tensile strength, delivers good heat deflection, and is water-resistant. E-Rigid Form is a versatile and tough material that is ideal for for a wide range of industrial and consumer applications.

### MATERIAL PROPERTIES\*

Tensile Strength	68–73 MPa
Elongation at Break	6–7%
Tensile Modulus	2950–3250 MPa
Flexural Strength	120–126 MPa
Flexural Modulus	3340–3570 MPa
Hardness, Shore D	87
Heat Deflection Temperature	62.5 °C @ 1.82 MPa
Impact Izod	30 J/m
Viscosity	460 cP @ 30 °C
Water Absorption	0.67% @ 48 hours

### RECOMMENDED PRINTER PLATFORMS

Envision One  
D4K  
P4K

\*Specifications are subject to change without notice.