gūrū | CRAFT TOOLS WISELY™

Technical Data Sheet

gūrū is a patented two-part tooling material capable of producing high-quality and dimensionally stable molds in less than 24 hours.

FEATURES

- Cost savings up to 50% on comparable tooling applications
- Dimensionally stable with a CTE of 6 x 10^{-6} in/in/°F and working temperatures up to 450°F and 150 PSI
- 24-hour tooling solution for prototype molds, light production molds, plugs and trim fixtures

APPLICATIONS

- Master Molds
- Autoclave Molds
- Splash Molding
- Rapid Prototyping
- High-Temperature Tooling
- Copy Molding for Aircraft Molds
- Rout & Trim Fixtures
- Infusion Molds

TECHNICAL SPECIFICATIONS

Handling Characteristics at 70°F	
Mix Ratio (parts by weight)	100 Part A/36 Part B
Density (mixed)	100 lbs/CuFT
Work Life	30-45 minutes
Demold Time	12 Hours
Complete Cure (at room temperature)	2-3 days or post cure
Color: Part A	White
Color: Part B	Blue
Color When Mixed	Gray
Shelf Life: Part A (stored in closed container at 70°F)	1 year
Shelf Life: Part B (stored in closed container at 70°F)	6 months

Thermal and Physical Properties

Room Temperature Cure (24 Hours)	
Tensile Strength At Break	1500 PSI
Elongation At Break	0.095%
Modulus of Elasticity	2.38 x 10^{6}
Maximum Compressive Strength	9540 PSI
Impact Strength (Izod)	0.44 (ft-lb/in)
Hardness	89.9 (Shore D)
Vicat Softening Point	545°F
Shear Force	1360 LBF
Shear Strength	3460 PSI

Post Cured (Cast Bar at 400°F)	
MOR	2100 PSI
Modulus	0.78 x 10^{6}
Compressive Strength	6400 PSI
CTE	6 x 10^{-6}
Working Temperature	475°F

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