

TURBO EPOXY – HIGH TEMPERATURE

Palm Lab's Turbo Epoxy High Temperature Formula is a two component system and is suited for encapsulation, sealing, bonding and potting. The mixed product exhibits chemical inertness and electrical insulation up to 450°F. The final cured product has an excellent surface finish and excellent bond strength to most all thermoplastics. This product also cures more quickly at elevated temperatures.

PHYSICAL PROPERTIES (Uncured State - Resin)

Base compound (Resin)	Chemical Type Epoxy Resin
Appearance	White
Viscosity cP	11,000 – 14,000 cp @ 25°C (mPa.s)
Specific Gravity	1.16
Flash Point	252 °C PMCC
Shelf Life	24 Months
Solubility in Water	Insoluble

PHYSICAL PROPERTIES (Uncured State - Hardener)

Base compound (Resin)	Polyamide Resin
Appearance	Amber
Viscosity cP	80 - 120 cP
Specific Gravity	1.61
Flash Point	> 200°F
Solubility in Water	Moderate (1-10%)

PHYSICAL PROPERTIES (Cured State)

DSC max Tg	93°C
Tensile Strength	6,400 psi
Elongation	3.8%
Flexural Modulus	326,000 psi
Compressive Strength	11,4000 psi

MATERIAL SET UP TIME

Fixture Time	45 Minutes
Full Cure	24 Hours

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