



# KONA 870 FTLV-DP

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## PRODUCT DESCRIPTION

**KONA 870 FTLV-DP** is a low viscosity, versatile epoxy casting system that exhibits unusually high thermal conductivity and low thermal expansion. This product is specifically designed for use in a two to one mix ratio side-by-side dispensing system. It is recommended for small electronic/electrical casting and encapsulating applications that require a unique combination of excellent wetting, flow, good thermal expansion coefficients, thermal shock resistance, high heat transfer capabilities and outstanding electrical properties. Fully cured KONA 870 FTLV-DP is highly resistant to weather, water, gases and vapors, petroleum lubricants and fuels and many mild acids and alkalis.

## Physical Properties

Color:	Black
Maximum Operating Temperature, °C:	100
Specific Gravity:	2
Tensile Strength, psi:	7,150
Compressive Strength, psi:	23,100
Hardness, Shore D:	91
Thermal Conductivity, (BTU)(in)/(ft <sup>2</sup> )(hr) °F:	8-Jul
Dielectric Strength, Volts/Mil:	520
Dissipation Factor, 1000KHz @ 25°C:	0.0024

## Handling Characteristics

Mix-Ratio by Volume,	
Resin to Hardener:	2 to 1
Mix-Ratio by Weight,	
Resin to Hardener:	100 to 22.5
Mixed Viscosity, cps:	8,000
Gel Time @ 25°C (25 Gram Mass):	15 Minutes
Cure Schedule @ 25°C:	6 to 8 Hours

## Storage

Store product refrigerated (< 40 deg F) in original unopened containers. Refer to packaging specific quote for shelf life information.

## Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

## Note

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