

## Tra-Con Tra-Bond 526M04 Color Keyed High Temperature Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 526M04 is a low viscosity, high-temperature, two-part epoxy formulation with a long working life. TRA-BOND 526M04 exhibits excellent wicking, and develops strong, tough mechanically stable bonds to a wide variety of fiber optic and optical materials that includes most metals, ceramics, glass and many plastics. In addition, TRA-BOND 526M04 has good impact and thermal shock resistance, demonstrates low stress, and yields excellent pot and polish connections. It is also resistant to water and weathering, vapors and gases, most petroleum products, and an extended range of organic and inorganic environments. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-526M04-Color-Keyed-High-Temperature-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-526M04-Color-Keyed-High-Temperature-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Volatile Organic Compounds (VOC) Content	8.8 g/l	8.8 g/l	
Water Absorption	0.15 %	0.15 %	After 24 hrs @ 25°C
Viscosity	2100 cP @Temperature 25.0 °C	2100 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Adhesive Bond Strength	14.09 MPa	2043 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	73.0 µm/m-°C	40.6 µin/in-°F	Below Tg
	198 µm/m-°C	110 µin/in-°F	Above Tg
Maximum Service Temperature, Air	175 °C	347 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	110 °C	230 °F	Ultimate Tg

Optical Properties	Metric	English	Comments
Refractive Index	1.56	1.56	

Processing Properties	Metric	English	Comments
Cure Time	1.00 min	0.0167 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	5.00 min	0.0833 hour	
	@Temperature 125 °C	@Temperature 257 °F	
	15.0 min	0.250 hour	
	@Temperature 100 °C	@Temperature 212 °F	
Pot Life	360 min	360 min	25 grams

Descriptive Properties	Value	Comments
Color	Amber	Mixed
	Clear	Unmixed
	Reddish-brown	Cured
Mix Ratio, parts by weight	100/10	Resin/Hardener
Thixotropic Index	1	
Working Life hours	8	25 grams

## Contact Songhan Plastic Technology Co.,Ltd.

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