

## Tra-Con Tra-Bond 2162D Color Coded Smooth Paste Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 2162D epoxy system is color-coded for easy mixing and handling as a smooth paste, and it develops strong bonds to most materials including metals, glass, ceramics, leather, wood, concrete and many plastics exhibits medium shrinkage during cure and has good dimensional stability over a wide temperature range. Fully cured TRA-BOND 2162D is a tough, durable, high peel, semi-flexible electrically insulating adhesive with good low temperature mechanical, thermal shock and impact resistance properties. In addition, it provides good resistance to gases and vapors, weather, water, salt solutions, petroleum solvents and lubricants, gasoline, mild acids and alkalis, and other organic and inorganic compounds. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-2162D-Color-Coded-Smooth-Paste-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2162D-Color-Coded-Smooth-Paste-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	Mixed
Viscosity	54000 cP @Temperature 25.0 °C	54000 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	
Tensile Strength, Yield	6.89 MPa	1000 psi	
Elongation at Yield	45 %	45 %	
Izod Impact, Notched	2.19 J/cm	4.10 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	110 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	61.1 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.6 @Frequency 1000 Hz	4.6 @Frequency 1000 Hz	
Dielectric Strength	14.2 kV/mm	360 kV/in	
	0.10	0.10	

Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Cure Time	540 min	9.00 hour	6 hrs @ 25°C + 3 hrs @ 65°C
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	180 min	180 min	

Descriptive Properties	Value	Comments
Color	Light Yellow	
Mix Ratio, parts by weight	100/100	Resin/Hardener

## Contact Songhan Plastic Technology Co.,Ltd.

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