

## Tra-Con Tra-Bond F156 Optically Opaque Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND F156 is a black, solvent-free thixotropic epoxy system recommended for high quality photographic industry bonding, laminating, production and repair applications where a room-temperature cure optically opaque adhesive for light sensitive components is required. This two-part smooth paste formulation is easy to use, develops strong bonds to itself and to most materials (including glass and glass fabrics, ceramics, leather, metals and many plastics), exhibits low shrinkage during cure, and has excellent dimensional stability over a wide temperature range. Fully cured TRA-BOND F156 has good low-temperature structural, physical and electrical properties, and is resistant to water, weather, gases, salts, mild acids and alkalis, and many 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-F156-Optically-Opaque-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-F156-Optically-Opaque-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	50000 cP @Temperature 25.0 °C	50000 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	

Thermal Properties	Metric	English	Comments
CTE, linear	33.0 µm/m-°C @Temperature 20.0 °C	18.3 µin/in-°F @Temperature 68.0 °F	
Maximum Service Temperature, Air	130 °C	266 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.3 @Frequency 1000 Hz	4.3 @Frequency 1000 Hz	
Dielectric Strength	15.4 kV/mm	390 kV/in	

Processing Properties	Metric	English	Comments
	240 min	4.00 hour	

Cure Time Processing Properties	Metric @ Temperature 65.0 °C	English @ Temperature 149 °F	Comments
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	30 min	30 min	

Descriptive Properties	Value	Comments
Color	Black, Opaque	
Mix Ratio, parts by weight	100/12	Resin/Hardener

## Contact Songhan Plastic Technology Co.,Ltd.

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