

## Tra-Con Tra-Cast 9182A Semi-Rigid Flame Retardant Epoxy Encapsulant

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-CAST 9182A is a medium viscosity, flame retardant epoxy encapsulant. It adheres well to most electronic and aerospace-industry materials like metals, glass, ceramic, industrial laminates and rigid plastics. TRA-CAST 9182A is recommended for potting, laminating, transformer encapsulating, filament winding and coil embedding applications where stress relief matched with fire retardancy is required. TRA-CAST 9182A has an easy mix ratio and is a durable electrical insulator, stable over a wide temperature range. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Cast-9182A-Semi-Rigid-Flame-Retardant-Epoxy-Encapsulant.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Cast-9182A-Semi-Rigid-Flame-Retardant-Epoxy-Encapsulant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	Cured
Viscosity	35000 cP	35000 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 °C	176 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Strength	15.7 kV/mm	400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 90.0 °C	@Temperature 194 °F	
	240 min	4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	

Processing Properties	Metric	English	Comments
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@ Temperature 25.0 °C

@ Temperature 77.0 °F

Descriptive Properties	Value	Comments
Color	Black	
Mix Ratio, parts by weight	100/100	Resin/Hardener
Working Life minutes	140	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China