

Tra-Con Tra-Bond F175 One-Part UV Curing Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND F175 is a clear, one part UV curing adhesive designed for bonding metals, ceramics and most rigid polymers. It is an excellent adhesive for fiber optic terminations where fast cure with ultraviolet light is desired. It is also recommended for electronic applications as it has very low ionic impurities. TRA-BOND F175 is a low viscosity system with a highly unique chemistry which produces very little shrinkage upon cure. It is an excellent choice for high humidity environments or applications requiring thermal cycling. HANDLING: TRA-BOND F175 should be stored with an air space to ensure maximum stability. Do not purge with nitrogen. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-F175-One-Part-UV-Curing-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Mixed
Viscosity	2100 cP	2100 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	

Thermal Properties	Metric	English	Comments
CTE, linear	130 $\mu\text{m/m-}^{\circ}\text{C}$	72.2 $\mu\text{in/in-}^{\circ}\text{F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	110 °C	230 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	11.0 °C	51.8 °F	Ultimate Tg

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	

Processing Properties	Metric	English	Comments
Cure Time	0.0167 min	0.000278 hour	400 W/inch @ 1"
	0.0667 min	0.00111 hour	400 W/inch @ 6"
	0.750 min	0.0125 hour	9 mW/inch @ 1"

Descriptive Properties	Value	Comments
Color	Light Yellow	

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