

Loctite® 3872 1 component acrylic/urethane UV/Heat Cure Flexible Adhesive

Category : Polymer , Adhesive , Thermoset , Acrylic/Cyanoacrylate Adhesive

Material Notes:

Thermally Conductive Bonders Loctite® Thermally Conductive Adhesives eliminate the need for mechanical fasteners and clips, while providing the most efficient thermal transfer between transistors or microprocessors and their heat sinks. Loctite offers a wide range of adhesive chemistries including silicones, acrylics and epoxies. Many processing options are available for curing these adhesives such as heat cure, activator cure, and UV light. Loctite® 3872 1 component acrylic/urethane UV/Heat Cure Flexible Adhesive A medium strength, flexible adhesive for sensitive components and extreme temperature ranges. Cure Type: UV/Heat

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-3872-1-component-acrylicurethaneUVHeat-Cure-Flexible-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.117 GPa	17.0 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	1.20 W/m-K	8.33 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	-33.0 °C	-27.4 °F	

Processing Properties	Metric	English	Comments
Cure Time	0.170 min	0.00283 hour	Fixture time @ 150 mW/cm ²
	10.0 min	0.167 hour	Full Cure Time @ 140°C
Shelf Life	9.00 Month	9.00 Month	shelf life at 5°C

Descriptive Properties	Value	Comments
Viscosity	Paste	

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