

Loctite® Output™ 383 Acrylic Adhesive

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

Material Notes:

Acrylic Bonding Adhesives and Thermally Conductive Bonders Loctite® Acrylic Adhesives were developed for bonding applications that require tensile, shear and peel strength combined with maximum impact, stress and shock resistance. On contact with an activator, these no-mix materials cure rapidly at room temperature to a weather-resistant bond.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-Output-383-Acrylic-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	
Viscosity	500000 - 1.10e+6 cP	500000 - 1.10e+6 cP	at 2.5 RPM

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.61 GPa	233 ksi	
Adhesive Bond Strength	12.4 MPa	1800 psi	Varies with substrates

Thermal Properties	Metric	English	Comments
CTE, linear	71.0 µm/m-°C	39.4 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.600 W/m-K	4.16 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Glass Transition Temp, Tg	60.0 °C	140 °F	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	Fixture time @ 20°C
	240 - 1440 min	4.00 - 24.0 hour	Full Cure Time @ 20°C
Shelf Life	9.00 Month	9.00 Month	shelf life at 5°C

Descriptive Properties	Value	Comments
Color	Grey	
Gap Fill	0.01 in.	

Descriptive Properties	Value	Comments
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