

Loctite® 620 High Temperature Retaining Compound

Category : Polymer , Adhesive , Thermoset

Material Notes:

RetainersLoctite Corporation, the pioneer of anaerobic adhesives, has applied this technology to create retaining compounds that increase the shear strength of cylindrical, non-threaded assemblies. Finding wide acceptance as a standard method for assembling press and slip-fitted parts, Loctite® Retaining Compounds fill the "inner space" between components and cure to form a strong precision assembly.

Formulated in a selection of viscosities, gap filling ability, flexibility and strength characteristics, Loctite® Retaining Compounds can be applied with automatic process equipment or dispensed manually.Loctite® 620 High Temperature Retaining CompoundA high temperature (450°F), high viscosity liquid retaining compound. Provides a shear strength of over 3,500 psi on steel. Locks and secures metal cylindrical assemblies up to 0.15" diameter clearance. Prevents metal fretting and corrosion. Seals against leakage. Recommended Primer: 7649 (N).Typical Use: For high temperature applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-620-High-TemperatureRetaining-Compound.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	
Viscosity	8500 - 22000 cP	8500 - 22000 cP	Thixotropic

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	26.2 MPa	3800 psi	Steel/Steel; Varies with substrates

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	1440 min	24.0 hour	Full Cure; Steel
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Green	
Gap Fill	0.015 in.	Diametral

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