

Loctite® 640 Medium Strength/High Temperature Retaining Compound

Category : Polymer , Adhesive , Thermoset

Material Notes:

Retainers Loctite 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® 640 Medium Strength/High Temperature Retaining Compound A medium viscosity retaining compound that resists temperatures to 400°F. Recommended Primer: 7471 (T). Mil-Spec (R-46082B) Type II Typical Use: For high temperature applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-640-Medium-StrengthHigh-TemperatureRetaining-Compound.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in³	
Viscosity	600 cP	600 cP	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	20.7 MPa	3000 psi	Steel/Steel; Varies with substrates

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °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	0.007 in.	Diametral

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