Loctite® 680 High Strength/High Viscosity 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® 680 High Strength/High Viscosity Retaining CompoundA retaining compound for joining fitted cylindrical parts. Fixtures in 10 minutes and provides a shear strength of 4,000 psi on steel after 24 hours. Fills diameter gap distances up to 0.015". Recommended Primer: 7471 (T). NSF/ANSI 61 approved Typical Use: High strength for slip fitted parts

Order this product through the following link:
http://www.lookpolymers.com/polymer_Loctite-680-High-StrengthHigh-ViscosityRetaining-Compound.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in³	
Viscosity	1250 cP	1250 cP	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	27.6 MPa	4000 psi	Steel/Steel; Varies with substrates

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 °C	300 °F	
Minimum Service Temperature, Air	-53.9 °C	-65.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	Full Cure; Steel

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China