

## Loctite® 641 Controlled Strength 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® 641 Controlled Strength Retaining CompoundA controlled strength retaining compound that is ideal for cylindrical parts that require disassembly. Recommended for maximum diameter clearance of 0.008". Fixtures in 10 - 30 minutes. Recommended Primer: 7649 (N).Typical Use: Medium strength for removable bearings

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Loctite-641-Controlled-StrengthRetaining-Compound.php](http://www.lookpolymers.com/polymer_Loctite-641-Controlled-StrengthRetaining-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in³	
Viscosity	525 - 1950 cP	525 - 1950 cP	Thixotropic

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	11.7 MPa	1700 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	30.0 min	0.500 hour	
	1440 min	24.0 hour	Full Cure; Steel
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Descriptive Properties	Value	Comments
Color	Yellow	
Gap Fill	0.008 in.	Diametral

## Contact Songhan Plastic Technology Co.,Ltd.

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