

R938 Retainer

Engineering Adhesives

DESCRIPTION

R938 Dynamic Strength Retaining Compound is designed to give high strength retention under cyclic loading. R938 will retain its full strength and not suffer fatigue under load stress.

Physical Properties (liquid product)	
Chemical base:	Methacrylate Ester
Colour:	Green
Viscosity:	2100-2800cps
Specific Gravity	1.10
Max.thread diameter:	M36
Max. gap filling:	0.20mm
Temp Range:	-55°C to 150°C
Physical Properties (cured product) @23°C	
Initial Strength:	12-16 minutes
Final Strength:	24 hours
Breakaway Strength (T _{BA}) (ISO 10964)	Up to 37 N.m
Prevailing Strength (T _P) (ISO 10964)	Up to 31 N.m
Static Shear Strength: (ISO 10123)	19.37MPa

APPLICATIONS

R938 is a cylindrical parts supplement, suited to Structural components such as cylindrical parts under dynamic load, such as keys, splines, even structural tubing with close tolerance fit.

Surface keying action is greatly increased by rough surface finish, giving higher Shear Strength. Ideal roughness is between 10-120 microns with a preferred tolerance of between 30-100 microns. The larger surface gaps over 175 microns can result in Ultimate Strength loss.

DIRECTIONS FOR USE

- Parts should be clean, dry and dust free.
- Degreased parts will assist results.
- Apply sufficient product to fill joint.
- Assemble parts in traditional manner.
- To achieve handling strength allow product to solidify (approximately 15 minutes).

COMPATIBLE ACTIVATORS, ACCELERATORS & PRIMERS

Activators such as A471 Structural Activator or the faster A649 Structural Activator can be used, however, up to 30% strength loss can occur when using accelerators.

PACKAGING

Bottles: 50ml



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STORAGE & SHELF LIFE

Store in a cool area out of direct sunlight

Shelf Life: 12 months @ 20°C

HEALTH & SAFETY

Please refer to SDS

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