

Product Brochure For T978

Gasketing Compound - 8518-50

50ml

Flexible Solvent Resistant High Viscosity



ORDER CODE:	T978
MODEL:	8518
Type:	Gasketing Compound & Flexible Solvent Resistant & High Viscosity
Cure Time:	Handling Cure Time: & Unprimed: 4 - 24 hours & Primed: 30mins - 4hours
Viscosity (cps):	800,000 / 3,750,000
Gap Fill:	Unprimed: 0.254 mm & Primed: 1.27 mm
Specific Gravity:	~
Temperature Range:	-55°C to 150°C
Size:	50ml



Description

8518
 Flexible Solvent Resistance High Viscosity
 Gasket Sealant

8518 is an anaerobic gasket sealant, which develops medium strength in a short time. The compound cures in the absence of air between close fitting metal surfaces.

8518 is a flexible gasketing sealant, which will flex with minor flange movements. Provides resistance to low pressure immediately after assembly of flanges

Applications:

- Typically used as a form-in-place on rigid flanged connections, e.g. gearbox and engine castings, etc.
- Thixotropic nature reduces the migration of liquid product after application.

Colour: Red
 Cure State: Flexible
 Temperature Range: -55 to 150°
 Gap Fill: Unprimed: 0.254 mm, Primed: 1.27 mm
 Viscosity cps: 800,000/3,750,000 Thixotropic
 Cure: Unprimed: 1-2 hours, Primed: 15 mins - 2 hours

Adhesive Properties:

Composition: Dimethacrylate ester
 Color: Red
 Viscosity: 800,000 – 3,750,000 cps at 25°C
 Brookfield RVT Spindle 7 @ 20 rpm
 Specific Gravity: 1.13
 Maximum Diameter of Thread/Gap Fill >0.50mm
 Flash Point: 93°C
 Solvent Content: None

Curing Properties:

Handling Cure Time:
 Unprimed Surfaces 4 - 24 hours
 Primed Surfaces 30 mins to 4 hours.



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Compressive Shear Strength:
(ISO 10123)
After 24 hrs at 22°C
Steel Pins & Collars >5 N/mm² >725 psi
Lap Shear Strength, ISO 4587
Steel (grit blasted) 7.5 N/mm² 1,100 psi
Lap Shear Strength, ISO 6922
Steel (grit blasted) 8.5 N/mm² 1,200 psi
Temperature Range -55 to 150°C

Physical Properties:
Coefficient of Thermal Expansion: 80x10⁻⁶
ASTM D 696, K-1
Coefficient of Thermal Conductivity: 0.10
ASTM C 177, W/ (m·K)
Specific Heat, kJ/ (kg·K) 0.30