



PRODUCT SPECIFICATIONS
U L T R A L O C[®]
A D H E S I V E S & S E A L A N T S

XS10 Anaerobic Liquid Gasket

Ultraloc XS10 Liquid Gasket is an anaerobic gasket sealant, which develops medium strength with excellent heat resistance. The compound cures in the absence of air between close fitting metal surfaces.

XS10 Liquid Gasket provides excellent resistance to low pressure immediately after assembly of flanges. Widely used as form-in-place gaskets on rigid flanged connections e.g. gearbox and engine casings, etc.

PHYSICAL PROPERTIES

Composition:	Dimethacrylate ester
Colour:	Red
Viscosity (Brookfield HB @ 25°C):	188,000 to 500,000 cps Thixotropic
Specific Gravity:	1.16
Maximum Diameter of Thread/Gap Filling:	0.8mm
Flash Point:	>93°C
Solvent Content:	None
Shelf Life:	12 months

PROPERTIES

Instant low pressure sealant, Forms any size or shape. Excellent solvent and chemical resistance, high temperature resistance. XS18 is rigid and will not shrink or crack.

CURED PERFORMANCE

Handling Cure Time:	4-24 hours
Functional Cure Time:	18-36 hours
Full Cure Time:	48-72 hours
Shear Strength:	3-9N/mm ² (ASTM -1002)
Tensile Strength:	4-11 N/mm ² DIN 53288
Elongation of Cured Film:	over 100%
Temperature Range:	-50°C to 200°C
Coefficient of Thermal Expansion	K-1 80x10 ⁻⁶ ASTM D 696
Coefficient of Thermal Conductivity	0.10 W/(m.K) ASTM C 177
Specific Heat, kJ/(kg.K)	0.30

Adhesive Properties

Compressive Shear Strength, N/mm	>1
Steel Pins and Collars	>145 psi

Sealing Capacity

Gasket with an inner diameter of 60mm and external diameter of 80mm is tested up to 1.5Mpa for leakage.

Sealed to Maximum Induced Gap, mm

Aluminium	<0.125
Mild Steel	<0.125

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XS18 Anaerobic Flange Sealant

CHEMICAL RESISTANCE

Chemical	Temp.	% Initial Strength Retained	
		500 hrs	1000 hrs
Acetone	22°C	100	90
Ethanol	22°C	100	100
Motor Oil	125°C	100	100
Gasoline	22°C	100	100
Brake Fluid	22°C	100	100
Water/Glycol	87°C	90	80

APPLICATION METHOD

Surfaces should be dry, clean, and free of any contamination. The product is designed for close fitting flanged parts with gaps up to 0.25mm. Low pressure may be used to confirm a complete seal immediately after assembly and before curing. Flanges should be tightened as soon as possible after assembly to avoid any shimming.

PRODUCT STORAGE

ULTRALOC anaerobics should ideally be stored in original sealed containers until used. Containers should be stored between 10°C and 22°C; avoid exposure to strong light and heat sources. Refrigeration can prolong shelf life. Do not return any unused material to it's original container.

DISCLAIMER

The data contained within this Technical Data Sheet are furnished for information only and are believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. MOLYTEC AUSTRALIA P/L and its associated companies accept no liability arising out of the use of this information or the products described herein.

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