



Technical Datasheet AS6.812

Product Description

BOSS AS6.812 is a medium strength pipe-sealant, that provides a non-shrink, instant low pressure seal on tightened fittings of up to 150psi. Once fully cured, this grade can resist pressures of up to 10,000psi, whilst maintaining a vibration proof seal that is resistant to most chemicals and corrosion. This grade is designed to offer a controlled low to medium break strength, to allow component disassembly.

Typical Applications

BOSS AS6.812, is designed for the locking and sealing of metal pipes and fittings, and is used on most hydraulic, pneumatic, oil, water and gas connections. **BOSS AS6.812** also contains Teflon, which lubricates the parts during assembly, providing additional maintenance support.

Instructions For Use

1. For best results clean all surfaces with a cleaning solvent and allow to dry.
2. If the metal is inactive, (see Compatibility Chart), apply suitable **BOSS primer CX**
3. Shake the product thoroughly before application.
4. Apply the adhesive to the fixing position of the fastener or onto the internal threads of a blind hole.
5. Use suitable methods to assemble components, and tighten to required torque level.
6. Allow to cure fully before applying load.

Properties of Uncured Material

Resin	Modified Acrylate
Colour	Yellow
Viscosity @ 25°C	
Brookfield Sp 2 @ 20rpm	1600-3300 cps

Performance of Cured Material

Fixture Speed	< 15 Minutes @ 25°C
Fixture Speed with Primer	< 10 Minutes
Full Cure Time	24 hours @ 20°C
Typical Breakaway Strength	11 Nm
Typical Prevailing Strength	6 Nm
Gap Fill	0.25mm
Temperature Range	-53°C to 148°C

Packaging

BOSS AS6.812, is available in 10ml, 50ml, 250ml LDPE bottles. In addition, we can offer automated dispensing lines for the bulk dispensing of this material.

Storage & Shelflife

BOSS AS6.812, should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

The data, information and values contained in this Technical Data Sheet has been obtained by conducting various tests in a controlled laboratory environment, and should be used for guidance purposes only. Although we believe them to be reliable and accurate, users should always conduct their own tests in their specific working conditions to ensure that the product is suitable and effective for use. It is the users sole responsibility to determine the suitability of the product for the application. BOSS INDUSTRIAL cannot be held responsible for the results of procedures undertaken elsewhere, nor for the safeguarding of personnel or property, all of which is the duty of the user. Suitability of products or methods is discretionary. Therefore, warranties or implied usage obligations should not be attributed to, and are not the responsibility of, BOSS INDUSTRIAL. BOSS INDUSTRIAL are not reliable for any financial loss or other damages incurred by the user as a result of the use of this product.