

# Medium strength 'Wicking' Threadlocker 301276 Technical Data Sheet

## General

301276 is a medium strength, low viscosity threadlocker that locks and seals small compression and ferrule fittings with service temperature up to 200°C. It is useful for pre-assembled parts, and its low viscosity allows the product to wick into the threads of small fittings.

## Product Description

<b>Technology</b>	<b>Acrylic</b>
<b>Composition</b>	<b>Dimethacrylate ester</b>
<b>Appearance</b>	<b>Green Liquid</b>
<b>Viscosity</b>	<b>Medium</b>
<b>Cure</b>	<b>Anaerobic</b>
<b>Application</b>	<b>Thread locking</b>
<b>Strength</b>	<b>Medium</b>

## Technical Data

<b>Specific gravity @ 25°C</b>	1.08
<b>Viscosity (25°C)</b>	10 - 30 cps
<b>Flashpoint</b>	>100°C
<b>Temperature Range (°C)</b>	-50°C – 150°C
<b>Handling Strength</b>	20 min @ room temp.
<b>Full Cure</b>	24 Hours @ room temp.
<b>Breakaway Torque - Typical</b>	15 N.m on M10 steel fasteners
<b>Breakaway Torque - Range</b>	6.8 – 21.5 N.m on M10 steel fasteners
<b>Prevail Torque</b>	25 N.m on M10 steel fasteners
<b>Recommended Thread Size</b>	Up to 12 mm

## Applications

301276 prevents loosening of metal threaded fasteners and secures close fitting cylindrical parts, helping to prevent leakage. The product is not for use with pure oxygen systems or systems containing strong oxidising materials.

<b>TDS NO.</b>	<b>ISSUE</b>	<b>DATE:</b>	<b>PAGE NO.</b>	<b>ISSUED BY</b>
301276	1	15/01/16	1 of 2	M.JOYCE

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## **Additional Information**

301276 can also be used as a weld or porosity sealant and seeks out casting irregularities (hairline cracks). A unique capillary action allows the sealant to penetrate the smallest pores or cracks to provide a positive seal. The product will fluoresce under UV lamps for inspection purposes.

Low temperature, larger gaps or passive substrates may require the use of an anaerobic accelerator. Using a primer to increase cure speeds impedes the products ability to wick and seal. While it may be used on thread locking applications, it is not recommended for sealing porosity or hairline cracks. The application of heat can help accelerate cure speeds.

## **Shelf life**

12 months minimum in normal storage condition (dry, room temperature) and in closed original packaging.  
Optimal storage conditions: 8°C to 21°C. Storage below 8°C and above 28°C can adversely affect product properties.

## **Important Note**

Whilst all reasonable care is taken in compiling technical data on the company’s products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer’s responsibility to satisfy themselves self that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of continued research and development the information relating to each product has not been superseded.

TDS NO.	ISSUE	DATE:	PAGE NO.	ISSUED BY
301276	1	15/01/16	2 of 2	M.JOYCE