

Twineflon

Dynamic Universal P.T.F.E Thread Sealant

Product Overview

ROCOL® Twineflon is a revolutionary, patented, monofilament pipe thread sealant made of a single strand of 100% Polytetrafluoroethylene (P.T.F.E.) for sealing metal & plastic threaded pipe joints.

ROCOL Twineflon is a dynamic sealant which adjusts its state during installation, creating a perfect seal by calendering the P.T.F.E. into a film of the exact thickness required between the two pipe ends.

Features and Benefits

- ROCOL Twineflon remains functionally stable in a temperature range from -200°C to +240°C.
- ROCOL Twineflon is absolutely chemically resistant to the most aggressive chemicals, solvents, fuels and acids.
- ROCOL Twineflon replaces all other sealants and tapes on all threads and is easier and quicker to install than other sealants.
- ROCOL Twineflon is a non hazardous material with no limitation on shelf-life.
- The monofilament of P.T.F.E. is completely resistant to surface fouling, oxidation, embrittlement, fungal or bacterial growth, enzymatic or microbiological attack.
- ROCOL Twineflon is absolutely inert while remaining soft and pliable throughout its life.
- ROCOL Twineflon does not affect the process fluids in the pipes.
- Twineflon is P.T.F.E. and this is the seal. It does not require the presence of additives to function as a seal.
- ROCOL Twineflon is economical in use providing low cost per seal for maximum performance and economy.

Directions for Storage and Use

- At the end of the thread, wrap in an overlapping haphazard fashion in the direction of the thread.
- Cover the first 10 to 15mm of the thread then cut the Twineflon with the integral, 360° cutter.
- Smear 2 or 3 drops of installation aid (non-hazardous & biodegradable) over the Twineflon.

Specifications

- DIN-DVGW for gas and water installations according to EN751-3 FRp and GRp and DIN 30660 (NV-5143BP0261).
- DIN-DVGW tested & approved for pipe adjustments up to 45°.
- DVGW tested & approved up to 100 bar at 23°C in accordance with EN751-3 test protocol.
- TZW tested & approved for hot & cold water in accordance with German Health Ministry recommendations.
- BAM tested & approved for use with gaseous oxygen at 30 bar & 100°C (for use with the installation aid, II-2742/2004E).
- BAM tested & approved for use with liquid oxygen at 30 bar & 100°C (use without installation aid, II-2742/2004E).
- UL Listed Seal Material 19BN File MH26734 according to Outline 1321 for use in assemblies up to 1.5" diameter handling gasoline, petroleum oils, naphtha, propane, butane, benzene, kerosene and natural gas (<300 psig).

Pack Sizes

Pack Size	Part Code
Each (175mtr)	73295

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Typical Properties

Property	Test Method	Result
Appearance	Visual	White, stringy
Base Type	N/A	Monofilament of PTFE
Temperature Range	N/A	-200°C to +240°C
Steam & Cold Water Cycle Test	ASTM F423	Pass
Guidelines for number of wraps:		
	0.5" diameter pipe	12 (Fine threads) to 18 (Coarse threads)
	1.5" diameter pipe	16 (Fine threads) to 24 (Coarse threads)

Values quoted above are typical and do not constitute a specification.



Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 2 Date: 01-14

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