


Technical Data Sheet

Tangit UNi-LOCK Pipe Sealing Cord

I. Material

Product name:

Tangit UNi-LOCK Pipe Sealing Cord

Material type:

Precoated, multifilament polyamide cord.

Intended use:

Tangit UNi-LOCK Pipe Sealing Cord is a general-purpose sealant for threaded pipes. It is used for sealing threaded components (ISO 7-1) such as pipe couplings and fittings with tapered / cylindrical threads. The application range includes cold and hot water supply pipes (up to 130°C) as well as gas pipes. The cord is particularly suited for threaded joints that require immediate tightness after assembly and may need small readjustments before use.

Packaging:

Dispenser with 80 m resp. 160 m spool

Shipping cartons:

20 dispensers of 80 m
20 dispensers of 160 m

II. Special features

Technical data
Raw material basis:

Cord:	Polyamide
Coating:	Inert, silicone-containing paste (proprietary)

Temperature & pressure resistance:

gas: -20°C to +70°C, ≤ 5 bar
hot water: up to +130°C, ≤ 7 bar
drinking water: up to +85°C, ≤ 16 bar

Resistibility:

Resistant to 1st, 2nd and 3rd family gas (3rd family in the gas phase), hot and cold water, gas condensates and compressed air.
Not suitable for use with pure oxygen and/or oxygen-enriched systems, chlorine, strongly oxidizing media as well as fuels, diesel or heating oil.

Pipe diameter (metal)	Number of wraps*	Max. number of joints (160 m spool)
1/2"	6-8	400
3/4"	7-9	275
1"	8-12	192
1 1/2"	10-15	105
2"	15-25	57
2 1/2"	20-30	34
3"	25-35	23
3 1/2"	30-40	17
4"	35-45	12

* These are guide values. In the case of threads not produced according to DIN 2999-1 resp. ISO 7/1, the number of wraps can vary. When sealing plastic threads, the number of wraps will double.

III. Instructions for use

Preparation of the pipe thread:

Metal threads must be cleaned with a brush if necessary.

It is recommended to roughen metal threads, e.g. with a saw blade, before wrapping the sealing cord around the thread.

Application of the sealing cord:

First, place the cord laterally onto the thread, then wind the cord in the same direction as the thread helix (across the lateral cord), starting from the end of the pipe. To ensure optimum performance, the grooves of the thread should be filled without completely masking the pitches of the thread. The cord can be cut off with the integrated cutting edge.

The cord is spirally wound inside the dispenser. Therefore, it can be easily pulled out and applied onto the thread.

Make sure that the cord is wrapped around the thread with a certain tension.

IV. Special instructions

Storage:

The dispensers should be kept closed before use. In the case of long-term storage, the dispensers must be kept in a cool and dry place. For further information on product service life contact your local Technical Service Center.

Shelf life:

The shelf life is at least 2 years from the date of filling. This date is displayed both on the dispenser and on the shipping carton.

Approvals:

The product was tested and found to conform to EN 751-2 for an ARP class sealant. This forms the basis for the DVGW approval (certificate no. NV-5142BP5597). The product was approved for use in potable water pipes (cold and hot water supply). It also has potable water approval according to BS 6920 (1996). Copies of the approval certificates can be obtained from your local Technical Service Center.

Internet:

www.Tangit.com

This Technical Data Sheet is based on our present knowledge and experience.

Please note:

The above information can only be of a general nature. As materials and conditions may vary with each intended application and thus are beyond our influence, we recommend that the user always carries out sufficient tests to ensure our products are suitable. No liability can be accepted for particular application results based on the information and instructions given in this leaflet.



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