Heat Shrink Polyolefin Tube
for U-Bolt Coating

SHRINKABLE RoHS REACH compliance

GALA®
Innovative Insulating Solutions

Heat Shrink Polyolefin Tube for U-Bolt Coating is suitable for corrosion and mechanical protection between U-Bolts & Pipes.

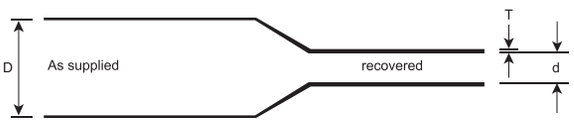
Pipes running through refineries, chemical plants and offshore platforms are rested on, or secured to, a structural beam support member using U-bolts. Over time the contact area between the un-coated U-bolts and pipe erodes and starts deteriorating the material in the presence of moisture. This excessive corrosion at the pipe support point is the leading cause of process pipe failure and it eventually develops into pinhole leaks.

Features & benefits:

- High resistance to impact & abrasion.
- Smooth, durable and shrunk over the shank of the U-bolt without any wrinkles, thereby helps reduce the risk of cracking the paint film around the pipe as the bolt is torqued down.
- The polyolefin material provides the right combination of hardness and durability to protect the pipe paint but avoids setting up a capillary crevice around the circumference of the pipe.
- Has superior jacket tear resistance & elastomeric characteristics allowing better conformance over irregular contours without splitting
- Provides mechanical protection and better abrasion resistance in harsh environments, e.g. tube rubbing against sharp objects or in constant friction
- Provides good strain relief.
- High shrink ratio (3:1) can help rationalize the stock requirements and also provides a greater application range.
- After recovery, it provides an excellent outer cover for protection.
- Highly reliable as it is unaffected by heat, ultra-violet rays, vibration, sandblasting or other conditions pertaining to an industrial and marine environment

Market Segment:

Electrical, Offshore, Marine, Industrial Oil and Gas Utilities



Technical Qualification Report : QR 1025

Technical Specification

PROPERTIES	VALUE	STANDARD
Tensile Strength	12 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Longitudinal Change	-10 % (max)	ASTM D2671
Water absorption	0.5 % (max.)	ASTM D570
Accelerated ageing	(120^{0}C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Heat Shock (250^{0}C for 30 min.)	No cracking or flowing	ESI 09-11
Continuous Temperature Limit	-55 to +110^{0}C	–
Dielectric Strength	12 kV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D257
Dielectric Constant	5 (max.)	ASTM D150

Selection Chart

Code	D min. (mm)	d max. (mm)	T ± 10% (mm)
GRMW 10/3	10	3	1.5
GRMW 12/4	12	4	1.8
GRMW 16/6	16	6	2.0
GRMW 19/6	19	6	2.0
GRMW 22/6	22	6	2.3
GRMW 27/8	27	8	2.5
GRMW 30/8	30	8	2.6
GRMW 33/10	33	10	2.6
GRMW 40/12	40	12	2.7
GRMW 50/16	50	16	2.7

D,d : internal diameter ; T : Thickness

ACM UKAS QUALITY MANAGEMENT

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