

Mastic Heat Shrinkable Tubular Sleeve

1.Introduce



TS(M) series of mastic heat shrinkable tubular sleeves are consist of a radiation cross-linked heat shrinkable backing coated on the inside with a mastic adhesive. While the modified polyethylene material of the backing offers superior mechanical protection, the specially formulated adhesive offers excellent corrosion protection under demanding conditions.It is easier to install as compared to the wraparound design.

2.Applied Condition

Temperature Degree	TS(M)50	TS(M)80
Max Operating Temperature	50℃	80℃
Suitable Coating	PE,FBE,PP,STEEL	PE,FBE,PP,STEEL
Preheat Temperature to Steel	60℃	85℃
Rust Cleaning Degree	Sa2.5,St3.0	Sa2.5,St3.0

3.Technical Data

Property	Test Method	TS(M)50	TS(M)80
Backing			
Tensile Strength (psi)	ASTM D638	2500	3000
Elongation (%)	ASTM D638	500	550
Dielectric (KV/mm)	ASTM D149	25	25
Volume Resistance (Ω.cm)	ASTM D257	1.0x10 ¹⁶	1.0x10 ¹⁶
Water Proof (%) (WT)	ASTM D570	<0.1	<0.1
Adhesive			
Softening Point (℃)	ASTM E28	78	120
Lap Shear (N/cm ²)@23℃	DIN EN12068	104	130
Installed Product			
Peel Strength (N/cm) @23℃	DIN EN12068	50	50
Impact Resistance (J)	DIN EN12068	>15	>15
Cathodic Disbonding (mm rad)	DIN EN12068	<12	<12
Resistance to thermal Aging	DIN EN12068	100d @50℃	100d @80℃
Tensile Strength Ratio	DIN EN12068	0.9	0.9
Elongation Ratio	DIN EN12068	0.9	0.8

Please contact us for more details

4.Application Data

Pipe Size		Pipe OD	Sleeve OD
DN	Inch	(mm)	(mm)
100	4	114	140
125	5	141	180
150	6	168	200
200	8	219	252
250	10	273	308
300	12	325	360
350	14	355	393
400	16	406	446
450	18	457	497
500	20	508	550
600	24	610	655
700	28	711	755
800	32	813	860
900	36	914	960
1000	40	1016	1066

Please contact us for other OD details

5.Purchase Guide

Example: TS(M)50Φ219x500-1.2/1.0 (mm)

- 1、**TS(M)**: Product code,measure unit:PC.
- 2、**50**: Operating Temperature.
- 3、**Φ219**: Suitable steel OD,range: Φ50-2200mm.
- 4、**500**: Sleeve width,range 50-720mm.
- 5、**1.2**: Backing thickness,range:1.0-1.5mm.
- 6、**1.0**: Adhesive thickness,range:0.8-2.0mm.

TS(M)50& TS(M)80 sleeves are suitable for a particular pipe size,if the pipeline steel is coated a insulation layer such as 30mm thickness,we need recalculate the pipeline OD and sleeve OD,e.g: pipeline OD:219+(30x2)=279.