

TECHNICAL DATA SHEET (SEALING COLLAR FOR PIPE)



PRODUCT DESCRIPTION

For water sealing of Pipe openings in bathroom, showers and kitchens.
Made of Thermo Plastic Elastomer (TPE) and PE (Polyester) Spunlace Non Woven Fabric.

DIMENSIONS

| DESCRIPTION | LENGTH | WIDTH | THICKNESS | CENTRE HOLE | GSM OF FABRIC |
|---------------|--------|-------|-----------|-------------|---------------|
| Tolerance | ± 2mm | ± 2mm | ± 0.1mm | ±0.2mm | |
| 100x100x8mm | 100mm | 100mm | 0.45 mm | 8 mm | 40 |
| 100x100x10mm | 100mm | 100mm | 0.45 mm | 10 mm | 40 |
| 150x150x16mm | 150mm | 150mm | 0.45 mm | 16 mm | 40 |
| 150x150x24mm | 150mm | 150mm | 0.45 mm | 24 mm | 40 |
| 150x150x32mm | 150mm | 150mm | 0.45 mm | 32 mm | 40 |
| 150x150x40mm | 150mm | 150mm | 0.45 mm | 40 mm | 40 |
| 150x150x46mm | 150mm | 150mm | 0.45 mm | 46 mm | 40 |
| 150x150x55mm | 150mm | 150mm | 0.45 mm | 55 mm | 40 |
| 250x250x70mm | 250mm | 250mm | 0.45 mm | 70 mm | 40 |
| 250x250x90mm | 250mm | 250mm | 0.45 mm | 90 mm | 40 |
| 350x350x110mm | 350mm | 350mm | 0.70 mm | 110 mm | 50 |
| 350x350x155mm | 350mm | 350mm | 0.70 mm | 155 mm | 50 |
| 350x350x170mm | 350mm | 350mm | 0.70 mm | 170 mm | 50 |

MATERIAL SPECIFICATION:

1. POLYMER NAME- Thermo plastic elastomer (TPE) Compound.
2. FABRIC- Spunlace non woven polyester fabric.

Compound Composition for Grey Mansjett.

DIMENSIONS

| DESCRIPTION | % Age Used |
|-------------------------------|-----------------|
| Thermo Plastic Elastomer(TPE) | 99% ± 1% |
| Titanium Dioxide(TiO2) | 1% ± 0.1% |
| Carbon Black | 0.007% ± 0.001% |

Note- No TiO2 and carbon black is used for white/ transparent Mansjett.

PHYSICAL AND CHEMICAL PROPERIES:-

INNER SEALING CORNER

| Properties | Units | Value | Method No. |
|-----------------------------------------------------|--------------------|--------------------------------------|------------------|
| Appearance | - | Grey/ White | - |
| Hardness | Shore A | 60±3 | ASTM D 2240 |
| Tensile Strength(Longitudinal) | Mpa | 13.1 | ASTM D 412 |
| Tensile Strength(Transverse) | | | - |
| Tensile Strength(Transverse) | % | 3.2 | ASTM D 412 |
| Elongation at break(Longitudinal) | - | 39 | - |
| Elongation at break(Transverse) | g/h.m ² | 341 | ASTM E96 |
| Water vapour Diffusion(Avg168 hrs) | KN/m | 1.30 | - |
| Tear Strength(Longitudinal) | - | 71.0 | ASTM D624 TYPE C |
| Tear Strength(Transverse) | - | 31.9 | - |
| Temperature Test (at -30°C and 80°C for 24 hrs.) | - | No crack or fracture is observed. | ASTM D2136 |
| Low temperature bend test (-30°C for 24 hrs) | - | No crack or fracture is observed. | ASTM D2136 |
| Leakage Test(Hot water at 40°C for 2 min.) | gm/cm ³ | No Leakage | - |
| Density | - | 0.6-0.8 | - |
| Odor | - | Odorless | - |
| Water solubility | - | Insoluble | - |

Available in Different colours- White/Grey

STORAGE :

Store in cool dry, ventilated areas away from heat, sparks, flames and moisture. To prevent brittleness, store in temperature above freezing.

REACH DECLARATION

Product is in compliance with substance of Very High Concern (SVHC) i.e. ≤ 0.1 %w/w as per the candidate list promulgated by the European Chemicals Agency (ECHA) which are defined in Article 57 of REACH Regulation (EC1907/2006) checked by Tuv-Nord Group.