



## Features/Applications

GREMTAPE® TPG53A is a flexible, irradiated Polyolefin heat shrink tape with adhesive. GREMTAPE® TPG53A offers both electrical insulation and sealing against moisture or other contaminants and an excellent adhesion. GREMTAPE® TPG53A is suitable to protect cables, ducts, metal tubes for electrical and sealing insulation when the use of heat shrink tubing is impossible or for oversized applications. It is widely used in heating, ventilating, air conditioning and exhaust recovery systems.

## Various

Standard colours: Black, Red, Green, Yellow



## Dimensions

| Reference        | As supplied (mm) |                | Standard Length (m/spool) |
|------------------|------------------|----------------|---------------------------|
|                  | Width            | Wall Thickness |                           |
| GREMTAPE® TPG53A |                  |                |                           |
| 025,0            | 25               | 1,00 ±0,10     | 5,1                       |
| 050,0            | 50               | 1,00 ±0,10     | 5,1                       |
| 100,0            | 100              | 1,00 ±0,10     | 5,1                       |

## Property

|                   |                     | Values                  | Test Methods |
|-------------------|---------------------|-------------------------|--------------|
| <b>Physical</b>   | Working temperature | -45°C to +125°C         | -            |
|                   | Tensile strength    | ≥ 10,4MPa               | ASTM D 2671  |
|                   | Elongation at break | ≥ 300%                  |              |
|                   | Tensile strength    | ≥ 7,3 MPa               | ASTM D 2671  |
|                   | Elongation at break | ≥ 200%                  |              |
| <b>Electrical</b> | Dielectric strength | ≥ 15 kV/mm              | IEC 243      |
|                   | Volume resistivity  | ≥ 10 <sup>14</sup> Ω.cm | ASTM D 876   |
| <b>Adhesive</b>   | Water absorption    | < 0,2%                  | ASTM D570    |
|                   | Softening point     | 95°C                    | ASTM E 28    |
|                   | Peel strength (PE)  | 120 N/25mm              | ASTM D 1000  |
|                   | Peel strength (AL)  | 80N/25mm                | ASTM D 1000  |



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**Recommended storage conditions:** Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed container.

Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.

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