



Features/Applications

GREM SHAPES® GBOS is a flame retardant hot melt lined irradiated Polyolefin heat shrink moulded breakout with 2 to 3 fingers.
GREM SHAPES® GBOS offers a superior resistance to oxidation, UV radiation and excellent encapsulation properties.
GREM SHAPES® GBOS are suitable for used both on open air and on underground power distribution (up to 1kV) and telecommunication cables with PVC or XLPE sheets.

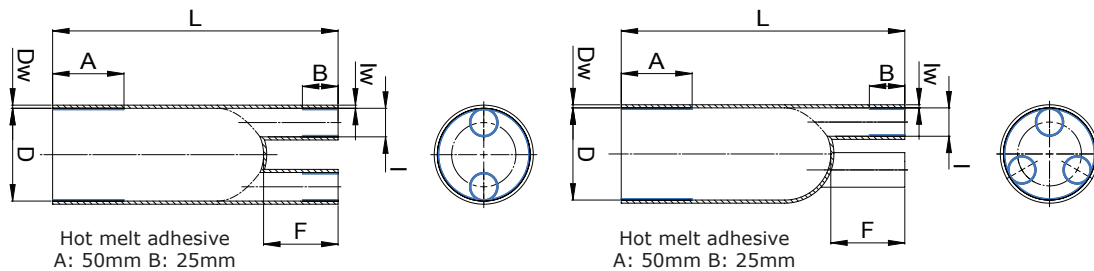
Various

Standard colour: Black.

Dimensions

| GREM SHAPES® GBOS | D (mm) | | I (mm) | | Recovered length | | Recovered wall thickness | |
|---------------------------|----------|----------|----------|----------|------------------|--------|--------------------------|---------|
| | a (min.) | b (max.) | a (min.) | b (max.) | L (mm) | F (mm) | Dw (mm) | Iw (mm) |
| 2 fingers breakout | | | | | | | | |
| LV2 22/8 | 22 | 8 | 9 | 3 | 85 | 20 | 2,2 | 2,0 |
| LV2 28/8 | 28 | 8 | 12 | 3 | 85 | 20 | 2,2 | 2,0 |
| LV2 32/10 | 32 | 10 | 14 | 4 | 85 | 20 | 2,2 | 2,0 |
| LV2 42/11 | 42 | 11 | 14 | 4 | 107 | 42 | 2,2 | 2,0 |
| LV2 60/20 | 60 | 20 | 24 | 7 | 120 | 34 | 3,0 | 2,5 |
| LV2 70/30 | 70 | 30 | 27 | 8 | 150 | 65 | 3,0 | 3,0 |
| 3 fingers breakout | | | | | | | | |
| LV3 36/14 | 36 | 14 | 15 | 4 | 100 | 21 | 2,2 | 2,0 |
| LV3 60/20 | 60 | 20 | 25 | 8 | 184 | 60 | 3,3 | 2,7 |
| LV3 70/20 | 70 | 20 | 27 | 8 | 184 | 60 | 3,3 | 2,7 |
| LV3 80/30 | 80 | 30 | 36 | 13 | 215 | 75 | 3,6 | 3,3 |
| LV3 100/30 | 100 | 30 | 39 | 13 | 215 | 75 | 3,6 | 3,3 |
| LV3 110/45 | 110 | 45 | 55 | 21 | 235 | 88 | 3,5 | 2,9 |
| LV3 125/45 | 125 | 45 | 57 | 21 | 230 | 88 | 3,5 | 2,9 |
| LV3 140/56 | 140 | 56 | 68 | 28 | 260 | 95 | 3,5 | 3,9 |
| LV3 150/60 | 150 | 60 | 57 | 17 | 185 | 85 | 4,5 | 4,5 |
| LV3 180/58 | 180 | 58 | 68 | 29 | 260 | 95 | 3,5 | 3,9 |

• a : as supplied / b : after free recovery



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Property

| | | Values | Test Methods |
|-------------------|---|------------------------------|--------------|
| Physical | Working temperature | -40°C to +100°C | - |
| | Longitudinal change | -15% | ASTM D 2671 |
| | Tensile strength | > 12 MPa | ASTM D 638 |
| | Elongation at break | Unaged > 350% | ASTM D 638 |
| | Tensile strength | Aged (500h @ 120°C) > 11 MPa | ASTM D 638 |
| | Elongation at break after aging | > 300% | ASTM D 638 |
| | Low temperature flexibility | 4h @ -40°C No cracking | ASTM D 2671 |
| Heat shock | 1/2h @ 250°C No cracking or flowing | ESI 09-11 | |
| Electrical | Dielectric strength | > 12kV/mm | ASTM D 149 |
| | Volume resistivity | > 1x10 ¹⁴ Ω.cm | ASTM D 257 |
| Chemical | Water absorption | < 0,2% (max.) | ASTM D 570 |
| Adhesive | Softening point (Ball & ring) | 85°C | - |
| | Melting process temperature | 160°C to 180°C | - |
| | Resistant against being in contact with oil | Pass | - |

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 45°C) and in closed container.

18/03/2025 Rev8

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.