

Features/Applications

GREMSHAPES® is a flame retardant hot melt lined irradiated polyolefin heat shrink moulded breakout with up to 7 fingers.
GREMSHAPES® GBOS offers a superior resistance to oxidation, UV radiation and excellent encapsulation properties.
GREMSHAPES® 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.

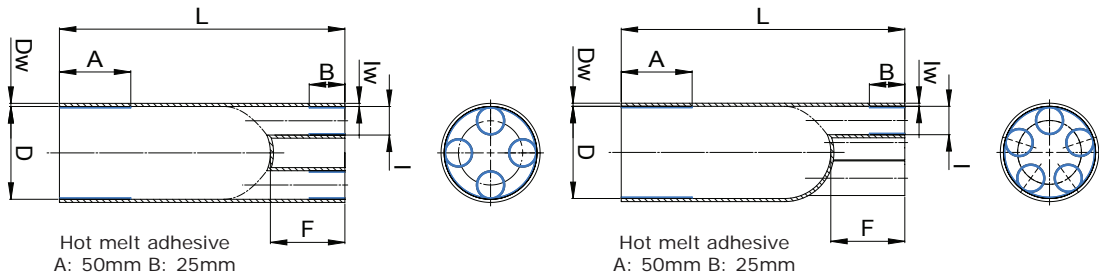
Various

Standard colour: Black.

Dimensions

GREMSHAPES® 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)
4 fingers breakout								
LV4 40/12	40	12	12	3	100	25	2,4	1,7
LV4 41/16	41	16	14	4	100	23	2,4	1,7
LV4 50/17	50	17	17	4	95	23	2,4	1,7
LV4 58/26	58	26	21	7	170	48	3,5	2,5
LV4 70/25	70	25	25	8	190	51	3,5	2,3
LV4 70/30	70	30	25	9	190	48	3,7	2,6
LV4 80/31	80	31	31	10	190	47	3,7	2,6
LV4 90/42	90	42	35	13	210	52	3,7	2,6
LV4 110/44	110	44	35	13	208	51	3,7	2,6
LV4 125/44	125	44	40	14	208	51	3,7	2,6
5 fingers breakout								
LV5 50/16	50	16	15	4	110	33	3,2	2,6
LV5 80/32	80	32	26	8	190	65	3,3	2,8
LV5 100/33	100	33	32	8	190	65	3,3	2,8
6 fingers breakout								
LV6 44/12	44	12	13	4	82	30	2,2	2,0
LV6 85/37	85	37	25	7	140	46	3,2	2,6
7 fingers breakout								
LV7 95/37	95	37	26	7	140	55	2,7	2,6

• a : as supplied / b : after free recovery



Property	Values	Test Methods
Physical		
Working temperature	-40°C to +110°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	30 min. @ 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 35°C) and in closed containers.

