



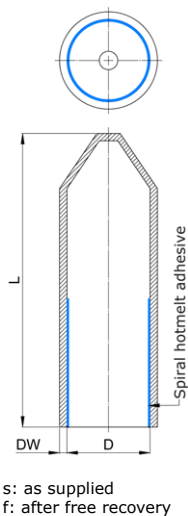
Features/Applications

GREM SHAPES® GCAPS is a hot melt lined polyolefin heat shrink moulded end cap. GREM SHAPES® GCAPS offers a superior resistance to oxidation, UV radiation and excellent encapsulation properties. GREM SHAPES® GCAPS is suitable for both on exterior and underground power distribution cables (up to 1kV) and telecommunication cables with PVC or XLPE sheath.

Various

Standard colour: Black.

Dimensions



Reference <i>GREM SHAPES® GCAPS</i>	Standard length end caps				
	Ds (min.)	Df (max.)	Ls (min.)	Dwf (nom.)	Cable Diameter (mm)
006,0	6	2	25	2,0	2 - 4
012,0	12	4	40	2,3	4 - 8
014,0	14	4	58	2,3	4 - 11
020,0	20	7,5	55	2,3	8 - 16
025,0	25	8	55	2,3	8 - 20
030,0	30	11	75	2,5	12 - 26
035,0	35	11	75	2,5	12 - 30
040,0	40	15	90	3,3	16 - 35
055,0	55	25	125	3,5	25 - 47
075,0	75	35	140	4,0	35 - 68
100,0	100	45	160	4,0	45 - 90
130,0	130	60	155	4,6	64 - 120
158,0	158	60	165	4,6	70 - 145
230,0	230	125	220	4,0	140 - 200
310,0	310	120	220	7,0	140 - 280
Extended length end cap					
-L 012,0	12	4	58	2,3	4 - 8
-L 020,0	20	8	75	2,5	8 - 16
-L 040,0	40	15	120	3,3	16 - 35
-L 055,0	55	25	170	3,5	25 - 47
-L 063,0	63	25	125	3,5	25 - 55
-L 075,0	75	35	180	4,0	35 - 68
-L 100,0	100	45	200	4,0	45 - 90
-L 120,0	120	45	160	4,0	45 - 110

• s : as supplied / f : after free recovery

Property

Property	Values	Test Methods
Physical		
Working temperature	-40°C to +110°C	-
Tensile strength	Unaged > 12 MPa	ASTM D 638
Elongation at break	> 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 35°C) and in closed containers.



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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.