

# Anode Cap



Heat Shrink Anode Caps are used to seal and protect the critical connection between the lead wire and anode. It provides stress relief, moisture proofing and electrical insulation at the lead wire exit point. It is an ideal solution to the problem of premature system failure due to corrosion causing the lead wire to come out of the anode.

## Features

- It is made from a highly cross-linked Polyolefin material
- Black mastic coated inside the cap is designed to adhere to anode materials and wire insulation
- Provides water tight sealing

Selection Chart					All dimensions are in mm.				
Code	Anode End		Lead Wire End		Thickness (After recovery)		Length		
	D		d		T		Total	Anode	Wire End
	Ds	Df	ds	df	Ta	Tw	TL	La	Lw
	Min	Max	Min	Max	f+10%	f+10%	f+2%	f+2%	f+2%
82 / 40mm	82	40	14	5	4	4	165	90	75
108 / 40mm	108	40	14	5	5	4	190	123	67

D,d: Internal Diameters; as supplied; f after free recovery; Ta, Tw; Thickness of anode & Lead Wire End

## Specifications

Properties	Value	Standard
Physical		
Tensile strength	12 N/mm <sup>2</sup> (Mpa) (min)	ASTM D638
Ultimate elongation	350% (min)	ASTM D639
Density	1,1 gm/cm <sup>2</sup>	ASTM D792
Hardness	45 + 10 Shore D	ASTM D2240
Water absorption	0,2% (max)	ASTM D570
Corrosion	Non corrosive	ASTM D2671
Thermal		
Accelerated ageing	120°C for 500Hrs	ASTM D2671
Tensile strength	11 N/mm <sup>2</sup> (Mpa) (min)	ASTM D638
Ultimate elongation	300% (min)	ASTM D638
-40°C for 4Hrs	No cracking	ASTM D2671
250°C for 30 min	No cracking or flowing	ESI 09-11
Shrink temperature	125°C	IEC 216
Operating temperature	Minus 55°C to Plus 100°C	IEC 216
Electrical		
Dielectric strength	12 KV/mm (min)	ASTM D14
Volume resistivity	11 x 10 <sup>11</sup> Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max)	ASTM D150

## Products

Art.nr.	Product Name	Order unit
507800	Anode cap 82/40mm	
507810	Anode cap 108/40mm	