

HEAT SHRINK 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 the ideal solution to the problem of premature system failure due to corrosion causing lead wire to come out of the anode.

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 and provides water tight sealing.

Selection Chart												All dimensins are in mm.	
Code	Anode End		Lead Wire End		Length (Supplied)			Length (Recovered)			Thickness (After Recovery)		
	D		d		Total	Anode	Wire End	Total	Anode	Wire End	T		
	Ds	Df	ds	df	TL	La	Lw	TL	La	Lw	Ta	Tw	
	Min.	Max.	Min.	Mix.	±2%	±2%	±2%	±2%	±2%	±2%	f±10%	f±10%	
GAC 0540	82	40	16	5	150	80	70	170	110	60	3.8	3.8	
GAC 0540A	108	40	16	5	150	80	70	175	115	60	4.7	3.6	
GAC 0550*	145	50	16	5	190	90	100	253	145	108	3.9	4.7	

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

Technical Specification		
PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.1 gm/cm ³ (max.)	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 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Operating Temperature	-55°C to +100°C	IEC 216
Electrical		
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150

