

WPC Heat shrinkable waterproof endcap:



Description:

The heat-shrinkable waterproof cap is an anti-corrosion material compounded by radiation cross-linked polyethylene and special hot melt adhesive. The steel pipeline adopts rigid polyurethane foam anticorrosive insulation technology. Under normal circumstances, water cannot enter the surface of the steel pipe. However, in actual production, due to many factors, the foam performance will be reduced, and the steel pipe will not bond well to form a cavity. In this way, water will enter the surface of the steel pipe from the defect. In order to avoid water entering from the pipe end, the insulation pipe must be waterproofed.

Product Features/Benefits:

- Its advantage is that it is not affected by the shrinkage of the insulation layer. One end is firmly bonded to the protective layer, and the other end is The anti-corrosion layer is tightly combined.

Product properties:

No.	Property	Test	Test according
1	Tensile Strength(MPa)	≥ 70	GB/T1040
2	Elongation at break (%)	≥ 400	GB/T1040
3	Vicat softening point (°C)	≥ 90	GB/T1633
4	Embrittlement temperature (°C)	≤ -65	GB/T5470
5	Electric strength (MV/m)	≥ 25	GB/T1408
6	Volume resistivity (Ω·m)	≥ 10 ¹³	GB/T1410
7	Resistance to environmental stress cracking (F50) (h)	≥ 1000	GB/T1842
8	Resistant to chemical corrosion (immersion for 7 days) (%) 10%HCL 10%NaOH 10%NaCL	≥ 85 ≥ 85 ≥ 85	SY/T0413-2002 appendix D
9	Heat aging (150°C,168h) Tensile strength (MPa) Elongation at break (%)	≥ 14 ≥ 300	GB/T1040

Adhesive properties:

No.	Item	Index	Test according
1	Embrittlement temperature (°C)	≤ -15	SY/T0413-2002
2	Lap shear strength (MPa) (23°C)	≥ 1.0	GB/T7124

3	Peel strength (N/cm)	Heat shrinkable tape/polyethylene layer 23±2°C	≥ 35	GB/T2792
4		Heat shrinkable tape/epoxy primer steel 23±2°C	≥ 35	

Service Life: More than 30 years

Normal Packing: Carton (Maximum 45kg)

Storage Condition:

- To ensure maximum performance, Dasheng products in a dry, ventilated area.
- Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements.
- Avoid prolonged storage at temperatures above 40°C or below -20°C.
- Product installation should be done in accordance with local health and safety regulations.

Shelf Life: 2 years, under correct storage condition.

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