

Polypropylene Adhesive Tape

Polypropylene Adhesive Tape (also known as Polypropylene Anti-Corrosion Tape, Polypropylene Reinforced Fiber Anti-Corrosion Tape, or Polypropylene Cold-Wrap Tape) is a pipeline external anti-corrosion material. It is manufactured using a mesh-fiber polypropylene (PP) reinforced woven fabric as the backing material, coated with a butyl rubber-modified asphalt (or butyl rubber type) anti-corrosion adhesive layer, and then covered with an anti-adhesion release film.



PRODUCT SPECIFICATIONS

No.	Item	Performance Indicator
1	Thickness	Deviation $\leq\pm 5\%$
2	Tensile Strength of Backing Material	$\geq 60\text{MPa}$
3	Elongation Break of Backing Material	$\geq 200\%$
4	Peel Strength(180°)	To primed steel: $\geq 30\text{N/cm}$ To backing material(without release liner): $\geq 5\text{N/cm}$ To backing material(with release liner): $\geq 20\text{N/cm}$
5	Electric Strength/Dielectric Strength	$\geq 15\text{KV}$ or $\geq 25\text{MV/m}$
6	Volume Resistivity	$\geq 1 \times 10^{12}\Omega\cdot\text{m}$
7	Heat Aging Resistance(2400h)	Property retention rate $\geq 75\%$
8	Water Absorption	$\leq 0.2\% \sim 0.35\%$
9	Water Vapor Transmission Rate	$\leq 0.45\text{mg}/(24\text{h}\cdot\text{cm}^2)$
10	UV Aging Resistance(600h)	Property retention rate $\geq 80\%$
11	Anti-Corrosion Coating Impact Resistance	$\geq 3\text{J}$
12	Cathodic Disbondment(23°C , 28d)	$\leq 20\text{mm}$
13	Operating Temperature Range	-34°C to $+23^\circ\text{C}$ (General)