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Info

Adhesive Resin

For Aluminum Plastic Composite Pipe

Safely Operation for
more than 140,000 hours



Global Functional Polymer Materials Manufacturer

Banzan International Group is focus on the functional adhesive resin of composite structure product. Banzan has three wholly invested subsidiaries and one holding subsidiary, and two R&D centers in Shanghai, China and Boston, USA.

We focus on providing the entire solutions from entire pipeline production to key materials, connection, installation, aging testing, intellectual operation, standards, technical specification other than import such technology in order to maximize clients economic efficiency.



Adhesive Resin

For Aluminum Plastic Composite Pipe

Growing lifestyles and plastic consumption require a wider variety of composite materials.

In order to achieve these requirements, materials have to be modified in proper ways, for example – grafting. Banzan adhesive resin in spite of adhesive property and polarity gained through grafting, which still maintains basic properties of polyolefin resins.

For this grade of adhesive resin, is especially suitable for multi layer sheet / / tube / pipe / panel and co-extrusion of polymer resins with aluminum, steel and other materials.

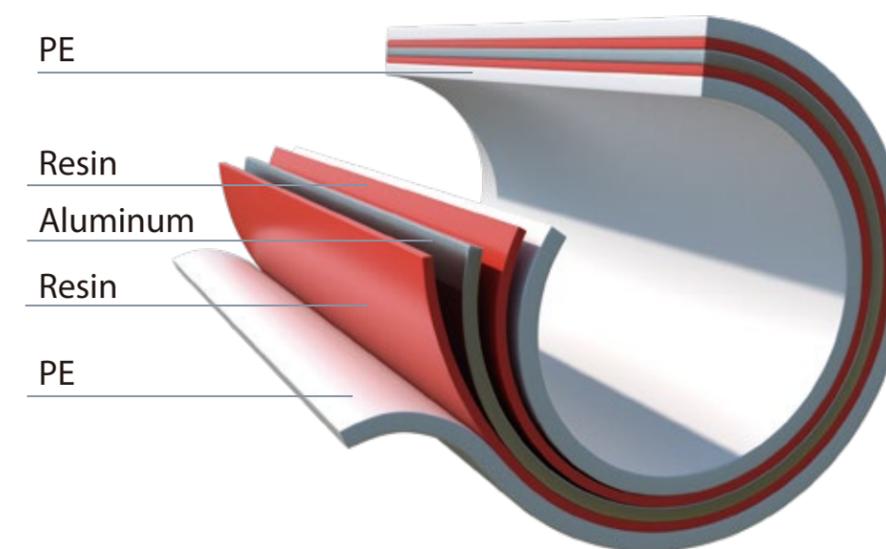
Performance Properties of Adhesive

Product Name : Adhesive Resin

Test Items	Test Method	Units	Quality Index
Appearance	Visual		Milky white particles
Cleanliness (impurities)	Visual (SH/T1541)	Pcs/Kg	≤ 2
Cleanliness (color grain)	Visual (SH/T1541)	Pcs/Kg	≤10
Moisture	GS/T 462 - 2008	%	≤ 0.1
Melting Index	GB/T 3682	g/10 min	2.0 - 4.0
Density	GB/T 2791	N/25 mm	≥ 150
Tensile Strength	GB/T 1040	MPa	≥ 12
Elongation at Break	GB/T 1040	%	≥ 400
Density	GB/T1033	g/cm3	0.92 ~ 0.96
Oxidation induction time	GB/T19466.6	min	≥ 10

Notice: Peel strength for laboratory aluminum sheet pressing peel strength

Specially designed for lap-welded and butt-welded aluminum-plastic composite pipes, which is coating an intermediate layer of adhesive resin between the aluminum layer and the inner & outer polyethylene layers, the inner and outer plastic layers are closely connected to the intermediate aluminum layer, which giving it an excellent composite effect.



Properties

- Advanced composite adhesion
- Polyolefin properties maintained
- Compatible with polyolefin
- Advanced processibility
- Excellent chemical resistance
- Anti-corrosion property
- Excellent adhesion durability for long-term use



Investing in U.S Adhesive Technology

Banzan invested more than 6 million USD as the first-stage fund to set up a world-class R&D center at Boston,USA. The center which is equipped with most advanced equipment, such as Haake torque rheometer, scanning electron microscope and ICP spectrometer.



Our Achievement Makes Us More Competitive

Banzan has declared more than 100 + invention patents, more than 30 have been authorized; Participated in the formulation of 5 national standards, 4 industrial standards and 1 local standard

Banzan Cooperations
Getting Better,
Together.