

# ZIRBOND

## GRAFTED POLYMER SOLUTIONS

❖ COUPLING AGENT

❖ ADHESIVE AGENT

❖ COMPATIBILIZER

❖ IMPACT MODIFIER

# ZIRBOND

❖ COUPLING AGENT

❖ COMPATIBILIZER

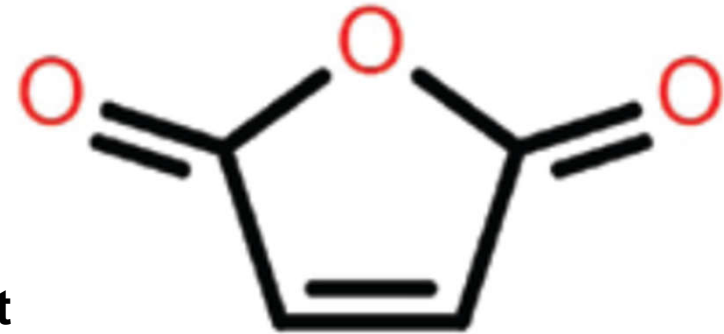
❖ IMPACT MODIFIER

❖ ADHESIVE AGENT

Zirbond is a product groups includes maleic anhydride (MAH) grafted polymers. Base polymer is grafted with maleic anhydride by reactive extrusion process.

Zirbond improves the performance of different polymers by combining them together.

Zirbond is solutions for your products with different base polymers and needed grafted MAH level.



**Maleic Anhydride**



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## Applications:

- **COMPATABILIZER** : Bonds two or more different polymers with each other.
- **COUPLING AGENT** : Increase the compatibility of polymers with mineral fillers and glass fibers
- **IMPACT MODIFIER**: Increases the impact resistivity of the material.
- **ADHESIVE AGENT**: Adhesive Agent : Bonds the polymers to the metals such as aluminium.



# ZIRBOND

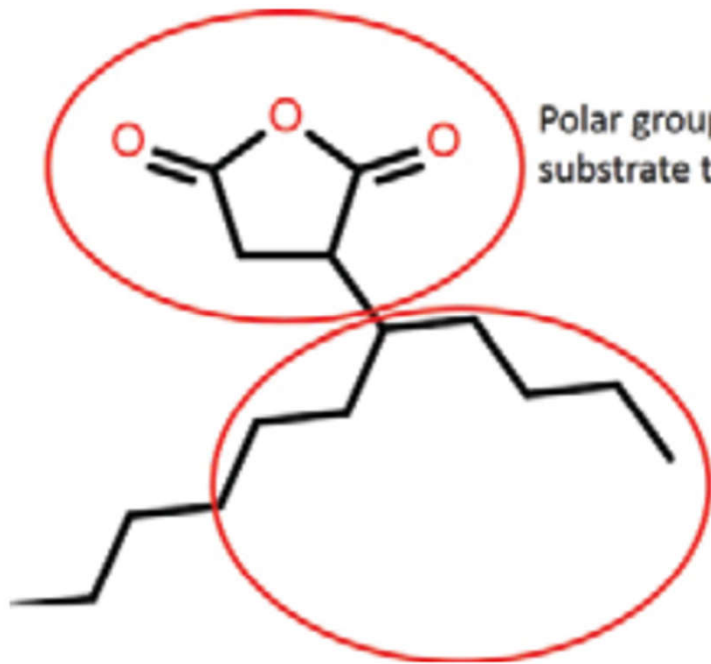
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## How Zirbond Works



Polar groups: Active site of the molecule. Bonds to the other substrate to combine them together.

Non-polar groups: Forms a hair-like structure

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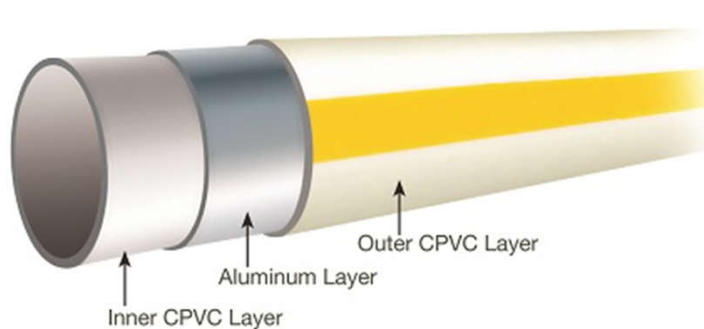
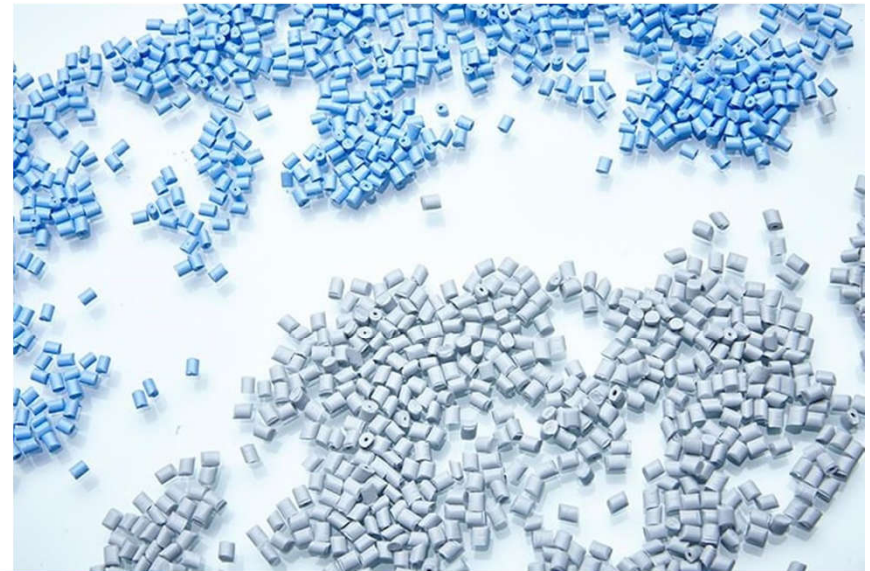
❖ COMPATIBILIZER

❖ IMPACT MODIFIER

❖ ADHESIVE AGENT

## Zirbond Used in:

- Compounding
- Composite Pipes
- Composite Panels
- Multilayer Pipes with Oxygen Barrier
- Metal coating
- Co-extrusion
- Recycling



Compounding

Co-extrusion

Multilayer Pipes

Metal Coating

HFFR Cables

Blow Molding



# ZIRBOND

❖ COUPLING AGENT

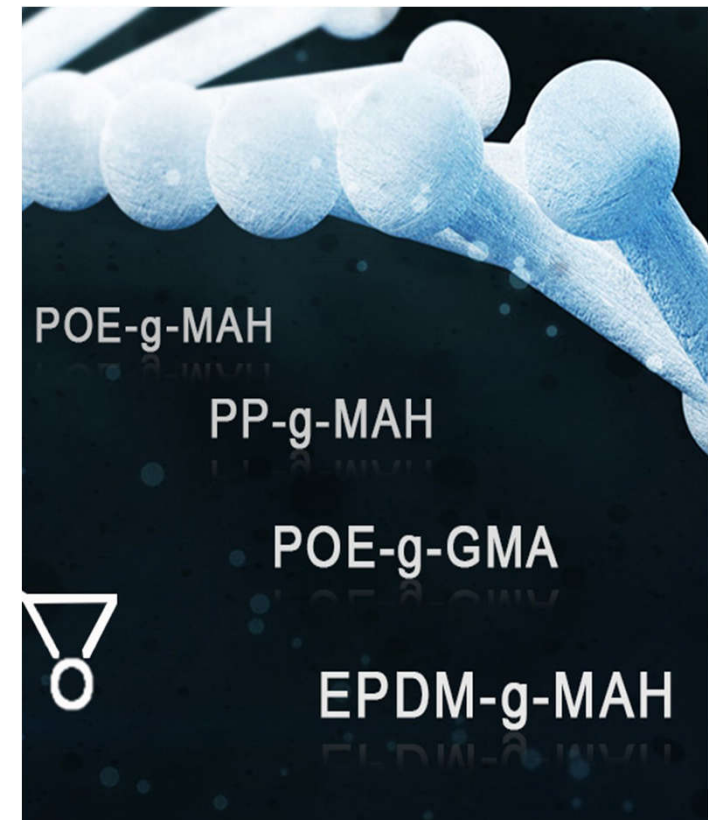
❖ COMPATIBILIZER

❖ IMPACT MODIFIER

❖ ADHESIVE AGENT

## Products Range

- Maleic anhydride grafted (MAH) polypropylene.
- Adhesive agent for PP based composites.
- Maleic Anhydride grafted (MAH) polyethylene.
- Coupling agent for PE compounds.
- Impact Modifier For PA compounds
- Maleic Anhydride (MAH) grafted ABS polymer
- Maleic Anhydride (MAH) grafted EVA polymer





# ZIRBOND

❖ COUPLING AGENT

❖ COMPATIBILIZER

❖ IMPACT MODIFIER

❖ ADHESIVE AGENT



For More  
Information

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**ZİRVE**  
POLİMER

# COMPATILISERS

## ZIRBOND

GRAFTED POLYMER SOLUTIONS

- Compounding
- Composite Pipes
- Composite Panels
- Multilayer Pipes with Oxygen Barrier
- Metal coating
- Co-extrusion
- Recycling

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