

## Coupling agent

## Aria Add 1213®

### Description

**Aria Add 1213®** is a high performance Ethylene base polymer resin. It has been designed to act as a coupling agent in polymer compounds, to enhance the mechanical properties like tensile and impact strength with good processability in polymer compounds in order to achieving a balance between morphological and rheological behavior.

### Technical specification

- Achieve compatibility between non-polar polyolefins and polar materials.
- Function as a coupling agent between reinforcing fillers and polyolefin polymers.
- Achieve dimensional stability and increase smooth surface of final products.
- Balance mechanical properties and cost efficiency.
- Achieve optimum dispersion & distribution of filler in polymer matrix.

| Physical                     | Value     | Method           |
|------------------------------|-----------|------------------|
| density                      | 0.945     | ASTM D792        |
| Melt flow index @190°C /5 kg | 1±0.3     | ASTM D1238       |
| Maleic anhydride graft level | Very high | Titration method |
| Usage level                  | 0.2-1.5%  | –                |

### Packaging & storage

**Aria Add 1213®** is packed in 25kg bags. This bag should be stored in a cool and dry place below 40°C, protected from sunlight and tightly closed to avoid contamination.