

## Maleic anhydride grafted Polypropylene      Aria couple 1431<sup>®</sup>

### Description

**Aria Couple 1431<sup>®</sup>** polymer resin is a maleic anhydride functionalized homo-polypropylene produced by reactive extrusion. It has been primarily designed to act as a coupling agent between reinforcing materials such as mineral fillers and polypropylene.

### Technical specification

- Achieve optimum dispersion & distribution of filler in polymer matrix.
- Eliminate output variation.
- Achieve dimensional stability & increase smooth surface of final products.
- Improve mechanical properties e.g., tensile strength, impact resistance & flexural modulus.

Physical	Value	Method
Density	0.91	ASTM D792
Melt flow index @190°C /2.16kg	65±5	ASTM D1238
Melt flow index @230°C /2.16kg	≥100	ASTM D1238
Maleic anhydride graft level	High*	Titration method
Usage level	1.5-4%	–

\* Low <0.25wt%, Medium 0.25-0.5wt%, High 0.5-1.0wt%

### Packaging & storage

**Aria Couple 1431<sup>®</sup>** 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.