

Maleic anhydride grafted Polyethylene

Aria Couple 1196[®]

Description

Aria Couple 1196[®] polymer resin is a maleic anhydride functionalized linear low density polyethylene. It has been primarily designed to act as a coupling agent based on PE.

Technical specification

- Function as a coupling agent between reinforcing materials such as mineral fillers, glass fiber, wood flour, Halogen free flame retardant (HFFR) additives and polyethylene to improve mechanical properties.
- Improve mechanical properties e.g. tensile strength, impact properties and flexural strength.
- Achieve dimensional stability and increase smooth surface of final products.
- Acting as compatibilizer between dissimilar polymers like PA with PE and PP.

Physical	Value	Method
Density	0.925	ASTM D792
Melt flow index @190°C /2.16kg	1 ± 0.3	ASTM D1238
Maleic anhydride graft level	High	Titration method
Usage level	1.5-3%	–

Packaging & storage

Aria Couple 1196[®] 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.