

BOGIBOND™ PE41

COUPLING AGENT

PRODUCT IDENTIFICATION

Chemical Name: Maleic Anhydride Grafted Polyethylene
Physical Form: White granules
CAS Number: 106343-08-2

BOGIBOND™ PE41 is a maleic anhydride grafted linear low-density polyethylene supplied in natural-coloured pellet form. The type and concentration of the grafted polar groups, together with the rheology of the grafted polymer, have been optimised for use as a coupling agent, particularly in highly filled halogen-free flame-retardant compounds based on ethylene copolymers.

SPECIFICATION

Properties	Test Methods	Units	Values
Density (23°C)	ISO 1183 / ASTM D1505	g/cm ³	0.92
Melt Flow Rate (190°C / 2.16 kg)	ISO 1133 / ASTM D1238	g/10 min	<2
Vicat Softening Temperature A50 (10 N)	ISO 306 / ASTM D1525	°C	95
Melting Point (DSC)	ISO 11357-3 / ASTM D3418	°C	121

APPLICATIONS

- Coupling agent for halogen-free flame-retardant compounds
- Wire and cable insulation compounds
- Wire and cable sheathing compounds
- Highly filled ethylene-copolymer systems

PACKAGING & STORAGE

- **Packaging:** 1 pallet: 1,375 kg in 25 kg bags.
- Store indoors in dry conditions between -10°C and +50°C, protected from UV light and kept in the closed original packaging. Improper storage may initiate degradation and adversely affect physical properties.
- Shelf life: 12 months from the production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.