

TABOND 3044 COUPLING AGENT

TABOND 3044 is LLDPE modified with maleic anhydride functional groups which promote bonding with different materials like polar polymers, metals and surface treated glass.

Characteristics:

- Strong adhesion to aminosilane treated glass, Nylon, EVOH, PET, PBT, PC, aluminium, copper, brass and steel.
- Adhesion durability
- Polyolefin like properties and processing

Applications:

- Tube co-extrusion - PE with PA or EVOH
- Blow moulding co-extrusion - PE with PA or EVOH
- Sheet co-extrusion - PE with PA, EVOH, PET, PBT, PP
- Bonding agent for extrusion coating of aluminium or steel with PE (also for steel coated with epoxy resin)
- Chemical coupling agent for PE composites
- and Wire&Cable compounds containing fillers such as ATH, MG(OH)₂, glassfiber etc. (recommended concentration 1.5 - 5%)
- Compatibilizer for alloys of PE with PA, EVOH, PET, PP or PBT (recommended concentration 2-5%).
- Additive for recycling of polyolefin's with polar polymers.

Physical Properties:

Properties	Test method	Typical Value ^{*)}	Units
Melt Flow Rate	ISO 1133 190°C, 2.16 kg	1.3	g/10min
Density	ISO 1183-1	0.93	g/cm ³
Melting point	DSC	124.0	°C

^{*)}The above values are typical for this material, not standardized.

Appearance

Natural free-flowing pellets

Storage and handling

TABOND 3044 contains traces of non-bonded maleic anhydride, which is an irritating substance. The work place should have an effective ventilation system. Please pay attention to the instruction in the safety data sheet.

Packaging:

TABOND 3044 is supplied in 25 kg bags.

The above details are given to the best of our knowledge and experience but are only meant as suggestions without obligation. Existing third party patent rights must be observed.