

FERROBOND E-186

FerroBond E-186 is a maleic anhydride modified linear low density polyethylene. With advanced anhydride grafting technology, this grade creates superb adhesion to EVOH, PA and PE, while maintaining excellent process ability.

Applications

- This has been specifically designed for co-extrusion coating/lamination on barrier materials like, PET, nylon or aluminum for PE based structures in Lamitubes.

Key Properties

General	Typical Value (SI)	Test Method
MFI (190 °C/2.16 Kg)	2.0 g/10min	ASTM D1238
Density	0.932 g/cm ³	ASTM D792
Bonded Maleic Anhydride	Low (%)	internal method

Storage and Handling Procedures

FerroBond E-186 is mildly hygroscopic and should be stored in a dry, cool and well-ventilated area. It is recommended that prior to processing; the requisite quantity of material to be used should be dried in a hopper dryer or oven at 80-95 °C for about 2 hours for obtaining best results. Read and understand Material Safety Data Sheet (MSDS) for more detailed information on the safe handling and disposal of these speciality polymers.

Processing Conditions

A slight pungent odour is normal during processing of FerroBond E-186. During processing, the compounding parameters that can lead to optimized performance include extruder type, screw design, barrel temperature, screw speed, throughput, residence time and material feeding sequence. Maximum processing temperature should not generally exceed 280 °C. At temperatures above 280 °C, these speciality polymers can evolve low concentrations of fumes. If overheated, more extensive decomposition may occur due to exposure of overheated polymers to atmospheric oxygen. Adequate local ventilation should be provided to remove the fumes from the work area.

Packaging

FerroBond E-186 speciality polymers are supplied in pre-dried form in 25 Kg (55 lbs) PE lined, HD woven sack paper bags and 500 Kg (1102 lbs) FIBC's. Depending upon customer's requirement, the bags can be further palletized for dispatch. They should be stored in cool and dry place.