GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTALLOY™ LD-SAN 00100 | Polymer Alloy

Product Description

GRAFTALLOY™ LD-SAN 00100 is a polymer alloy of low-density polyethylene with chemically bound styrene–acrylonitrile (SAN). The polyethylene part mixes with polyolefins, the SAN part with styrenic and other polar polymers, so it acts at the boundary in blends of polyolefins with PS, ABS, PC and PLA.

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Physical Form	granules	
Melt flow rate (MFR) 190 °C / 2.16 kg	0.3 g/10 min	ISO 1133
Moisture (loss on drying) 105 °C	< 0.2 %	ASTM D6980
Melting temperature	110 °C	DSC
Tensile strength	20.8 MPa	ISO 527
Elongation at break	8.6 %	ISO 527
Shore A hardness	98	ISO 868

Applications

Compatibilizer for blends of polyolefins with PS, ABS, PC or PLA.

Improves the mechanical properties of such blends.

Processing & Dosage

GRAFTALLOY™ LD-SAN 00100 is processable on most thermoplastic processing equipment.

Typical dosage: set per formulation; ask our technical service.

Storage and Transportation

MSDS provided to recommend safe practices during use and storage. Improper storage conditions may cause degradation and affect the product's physical properties. For easy handling and storage, it is normally packed in 20 kg bags (55 bags per pallet).

Store in the original packaging in a cool, dry, well-ventilated area, away from heat sources, moisture and direct sunlight.

Shelf Life

24 months from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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