



## GRAFTALLOY™ LD-PS 06000

Low Density Polyethylene – Polystyrene alloy

### Product Data

#### Description

GRAFTALLOY™ LD-PS 06000 is a high performance polymer alloy, consisting of LDPE, with chemically bound PS. Its main characteristics are good compatibility with polyolefins, PLA, PC, ABS, PS blends.

#### Typical Properties

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

Physical Characteristics	Value	Unit	Test Method
MFI (190°C, 2,16 kg)*	60	g/10min	ISO 1133

Mechanical Characteristics	Value	Unit	Test Method
Tensile Strength at Yield (10 mm/min)	5	MPa	ISO 527-2 (Injection Molded)
Elongation at Break (10 mm/min)	11	%	ISO 527-2 (Injection Molded)

Thermal Characteristics	Value	Unit	Test Method
Melting Temperature	100	°C	DSC

**Supplied as:** Granulate

#### Applications

- Improve tribological properties
- Improve Melt Flow Index of blends
- Improves mechanical characteristics

#### Processing

- GRAFTALLOY™ LD-PS 06000 can be processed with all usual processing technologies (Injection moulding, extrusion, blow moulding, thermoforming...)
- Optimal processing temperatures are between 180°C and 200°C.

# GRAFTALOY™ LD-PS 06000

## Product Data Sheet

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### Storage and Transportation

MSDS provided to recommend safe practices during usage.

For easy handling and storage normally packed in 25 kg bags (50 bags per pallet).

### Legal Statement

This product, including the product name, shall not be or tested in any medical application without the prior written acknowledgment of Graft Polymer d.o.o as to the intended use. For detailed product information, please contact Customer Service.

The data listed here falls within the normal range of properties, but they should not be used to establish specification limits nor used alone as the basis of design. The GRAFT POLYMER Company assumes no obligations or liability for any advice furnished or for any results obtained with respect to this information. All such advice is given and accepted at the buyer's risk. The disclosure of information herein is not a license to operate under, or a recommendation to infringe, any patent of GRAFTALOY™ or others. Since GRAFT POLYMER cannot anticipate all variations in actual end-use conditions, GRAFT POLYMER makes no warranties and assumes no liability in connection with any use of this information.

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#### GRAFT POLYMER D.O.O.

Emonska Cesta 2, Ljubljana Slovenia.  
Company Num. 8056200000, VAT. SI 30561345  
Phone Num. +38640867937  
[office@graftpolymer.com](mailto:office@graftpolymer.com)

#### GRAFT POLYMER UK LTD

Central Working Victoria Eccleston Yards 25,  
Eccleston Pl, London, UK, SW1W 9NF.  
Company Num. 10776788, VAT. 281712016  
[www.graftpolymer.com](http://www.graftpolymer.com)