GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTALLOY™ MP-UHHD 00152 | Polymer Alloy

Product Description

GRAFTALLOY™ MP-UHHD 00152 is a modified polymer alloy based partly on ultra-high molecular weight polyethylene (UHMWPE), designed to bring impact strength (including at low temperature), abrasion resistance and low friction to polyethylene compounds.

Typical Properties

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

Physical Form	granules	
Density	0.95 g/cm^3	ASTM D792
Melt flow rate (MFR) 300 °C / 10 kg	0.80–0.90 g/10 min	ASTM D1238

Applications

Impact and abrasion-resistance modification of polyethylene compounds.

Wear-resistant parts: bushings, wear pads, gears, bearings, liners.

High-wear surfaces and impact zones.

Processing & Dosage

Recommended processing temperature: 180–220 °C.

Recommended dosage: 5–10 %.

Moulding conditions vary with equipment and part geometry; detailed processing guidelines are available on request.

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 25 kg bags (50 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

36 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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