GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTALLOY™ LSA 00110 | Tribological Modifier

Product Description

GRAFTALLOY™ LSA 00110 is a modified alloy designed to improve the tribological behaviour of thermoplastics: it reduces wear, friction and stick-slip noise and can improve mechanical properties.

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	0.2–1 g/10 min	ISO 1133
Moisture (loss on drying) 105 °C	< 0.3 %	ASTM D6980
Tensile strength	17–21 MPa	ISO 527-1
Elongation	8–15 %	ISO 527-1

Applications

Tribology: reduces wear and friction in gears, bearings, hinges and mechanical parts made of POM, PA or PPS.

Anti-squeak: prevents stick-slip noise between plastic parts or against leather, e.g. automotive interiors (air-conditioning systems, door hinges) and furniture trims.

Mechanical properties: can improve impact resistance, tensile strength and elongation in ABS, PC/ABS and PBT housings and connectors.

Halogen-free; its high molecular weight limits migration and evaporation.

Processing & Dosage

GRAFTALLOY™ LSA 00110 is processable on most thermoplastic processing equipment.

Typical dosage: 1–10 %, depending on the application and formulation.

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

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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