GRAFT POLYMER
COMBINE INCOMPATIBLE

TDS | Technical Data Sheet

GRAFTABOND™ UHP 00050V | Crosslinking Agent

Product Description

GRAFTABOND™ UHP 00050V is an ultra-high-molecular-weight polyethylene (UHMWPE) powder highly functionalized with vinyltriethoxysilane (VTEO). Made by solid-phase grafting: the monomer is grafted onto the polymer powder below its melting point.

Typical Properties

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

Physical Form	powder	
Bound vinyltriethoxysilane	5 wt %	FTIR (Internal Method)
Moisture (loss on drying) 105 °C	< 0.5 %	ASTM D6980

(*) can be regulated to customer needs

Applications

Crosslinking of polymers by the two-step silane (Sioplas) process.

Processing & Dosage

GRAFTABOND™ UHP 00050V is processable on most thermoplastic processing equipment.

Preferred for: Extrusion (Compounding)

Storage and Transportation

Normally packed in 25 kg aluminium bags. Keep sealed: moisture starts the silane reaction.

Shelf Life

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

GRAFT POLYMER D.O.O.
Struge 18, Borovnica 1353 Slovenia
Company Num. 8056200000, VAT. SI 30561345
info@graftpolymer.com

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 GRAFTABOND™ 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.