



GRAFTALEN™ HD-XL 15025

Thermo-crosslinking High Density Polyethylene

Product Data

Description

GRAFTALEN™ HD-XL 15025 is a high performance HDPE type polymer, designed to crosslink when exposed to higher temperatures.

Typical Properties

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

Chemical Characteristics	Value	Unit	Test Method
Crosslinking Temperature	>150	°C	Internal Method

Mechanical Properties	Value	Unit	Test Method
Tensile Stress at Break	24.6	MPa	ISO 527-2
Elongation at Break	22.5	%	ISO 527-2
Charpy Impact Strength	No Break	kJ/m ²	ISO 1133
Shore D Hardness	60		ISO 868
Hot Set Permanent Set	0	%	EN 60811-2-1
Gel Fraction Content	>90	%	ASTM D 2765

Supplied as: Powder (<800 microns)

Applications

- Toughening additive for roto-molding applications
- Used as standalone material with crosslinking degree of >90.
- Provides excellent resistance against deformation at higher temperatures

Processing

GRAFTALEN™ HD-XL 15025 is best used in roto-molding applications. It can be mixed with other PE roto-molding powders or used by itself.

GRAFTALENHD-XL 15025

Product Data Sheet

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 GRAFTALEN™ 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.

GRAFT POLYMER D.O.O.

Emonska Cesta 2, Ljubljana Slovenia.
Company Num. 8056200000, VAT.SI 30561345
Phone Num. +38640867937
office@graftpolymer.com

GRAFT POLYMER UK LTD

Central Working Victoria Ecclestone Yards 25,
Ecclestone PI, London, UK, SW 1W 9NF.
Company Num. 10776788, VAT.281712016
www.graftpolymer.com