



polimeri europa

## Technical Data Sheet

[www.polimerieuropa.com](http://www.polimerieuropa.com)

[info.polyethylene@polimerieuropa.com](mailto:info.polyethylene@polimerieuropa.com)

**GREENFLEX** ®

**HN 70**

EVA

Ethylene vinyl acetate copolymer

Greenflex HN 70 is an ethylene vinyl acetate copolymer (EVA) for compounding.

Greenflex HN 70 is a medium fluidity grade with high tack.

### Main applications

Greenflex HN 70 is recommended as base component for hot melt adhesives used in packaging, bookbinding and woodworking.

### Main properties

Resin Properties	Test method	Unit	Value
Melt Flow Rate (190 °C/ 2.16 kg)	ISO 1133	g/10min	6
Vinyl acetate content	Internal method	%	28
Density	ISO 1183	g/cm <sup>3</sup>	0.952
Melting point	Internal method	°C	73
Brittleness point	ASTM D 746	°C	< - 80
Vicat softening point (1 kg)	ISO 306/A	°C	45

Mechanical Properties *	Test method	Unit	Value
Tensile stress at yield	ISO 527	MPa	2.7
Tensile strenght at break	ISO 527	MPa	-
Elongation at break	ISO 527	%	-
Flexural modulus	ISO 178	MPa	15
Hardness Shore A	ISO 868/A		75
Hardness Shore D	ISO 868/A		31

\* values are referred to injection moulded specimens. Actual properties are typical and may vary depending upon operating conditions.

## Processing conditions

Greenflex HN 70 can be processed by conventional compounding equipments.  
A stock temperature from 140°C to 190°C is recommended.

## Storage and handling

Greenflex HN 70 is supplied in pellet form. This material may readily be conveyed and bulk fed through equipment designed for conventional pelletised polyethylene resin, provided the equipment is designed to prevent accumulation of the fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used be equipped with filters of adequate size, operated and maintained in such a manner to ensure that no leaks develop and earthed adequately. We further recommend that good housekeeping be practised throughout your facility.  
Stored in an airy and dry room, at temperatures between 20°C and 30°C, with no direct sunlight, the shelf life is about 18 months. However, before using this product, read and understand the relevant POLIMERI EUROPA Safety Data Sheet.

## Availability

Contact the POLIMERI EUROPA sales office nearest to you regarding availability and your specific application requirements.

## Food contact status

Greenflex HN 70 complies with the rules and regulations of the European Union, as well as other countries, regarding the use of plastic materials in food contact applications.  
Certificates of compliance are available upon request.

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### TECHNICAL SERVICE

Polimeri Europa S.p.A.  
Piazza Boldrini, 1  
20097 S.Donato Milanese, Italia  
Tel. +39 02 520.1  
Fax + 39 02 520.42901

Polimeri Europa SAS  
1 Route des Dunes BP 59  
F-59279 MARDYCK - France  
Tel. +33 3 28235514  
Fax +33 3 28235520

Polimeri Europa S.p.A.  
Via Taliercio, 14  
46100 Mantova, Italia  
Tel. +39 0376 305504  
Fax + 39 0376 305299

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### HEADQUARTER

Polimeri Europa S.p.A.  
Piazza Boldrini, 1  
20097 San Donato Milanese, Milano - Italia  
Tel. +39 02 520.1  
Fax + 39 02 520.42901

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**IMPORTANT:** please consult the relevant safety data sheet for more detailed information. The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data.

Polimeri europa is available to provide the guaranteed values for each product on demand.