



# FLEXAREN<sup>®</sup> 18001

## EVA-Copolymer

<sup>®</sup>  
FLEXAREN

FLEXAREN<sup>®</sup> 18001 is a high quality ethylene vinyl acetate copolymer with 18 % content of vinyl acetate. The product is manufactured by high pressure tubular process.

FLEXAREN<sup>®</sup> 18001 is more elastic than LDPE and compatible with a wide range of polymers. It can be processed with the same equipment.



### Properties

- flexibility (especially also at low temperatures)
- high transparency
- good mechanical properties

### Application

- stretch films
- food packaging
- flexible hoses
- crosslinked foams
- cable compounds

Property	Value	Unit	Method
<b>MFI</b> (@ 190°C; 2,16kg)	1	g/10min	ISO 1133
<b>Density</b> (@ 20°C)	0.939	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>VA content</b>	18	wt. -%	FTIR
<b>Vicat-softening-temperature</b>	65	°C	ISO 306 Method A
<b>Hardness Shore A</b>	89	-	ISO 868
<b>Hardness Shore D</b>	36	-	ISO 868
<b>Strength</b> (@ 50% Elongation)	4.0	MPa	ISO 527 (PK 1 BA)
<b>Tensile strength</b> (@ break)	23	MPa	ISO 527 (PK 1 BA)
<b>Elongation</b> (@ break)	> 750	%	ISO 527 (PK 1 BA)
<b>Processing recommendation</b>	100 - 150	°C	-

The values listed are standard values.



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### Food Legislation

All monomers used to produce commodities of FLEXAREN® are listed in the EC directive 2002/72.

### Safety and Environment

CAS No.: 24937-78-8

FLEXAREN® has not been classified as hazardous material in accordance with the Hazardous Material Act and does not require marking. FLEXAREN® can be reused, burned for power generation or disposed without risk. Therefore please take notice of the local valid rules. For further safety-relevant information please refer to the Material Safety Data Sheet.



### Packaging, Shipment Conditions and Storage

FLEXAREN® is delivered as granular material of natural colouring, preferably packed in 25 kg-PE-bags on lined pallets of 750 kg each or as loose material in bulk trucks. Other types of shipping and packaging are possible.

FLEXAREN® shall be stored in its original packaging at room temperature at a dry place. Direct sun radiation or contact with water should be avoided.

Please do not hesitate to contact us for further details.

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The general points listed correspond to our current knowledge and have been elaborated to the best of our belief and under consideration of professional care. Herewith, we do not guarantee definite properties nor suitability for a particular application. It is the customer's duty to particularly check suitability of the product for the use intended.