



FLEXAREN® 07000

EVA-Copolymer

CAS Number: 24937-78-8

FLEXAREN® 07000 is a high quality ethylene vinyl acetate copolymer with 7 % content of vinyl acetate. The product is manufactured by high pressure tubular process.

FLEXAREN® 07000 is more elastic than LDPE and compatible with a wide range of polymers. It can be processed with the same equipment.

Characteristics	Reference Value	Units	Test Method
MFI (@ 190°C; 2, 16kg)	0.4	g/10min	ISO 1133
Density	0.925	g/cm ³	DIN EN ISO 1183-1
VA content	7	wt. - %	FTIR
Vicat-softening-temperature	75	°C	ISO 306 Method A
Hardness Shore A	95	-	ISO 868
Hardness Shore D	42	-	ISO 868
Strength (@ 50% Elongation)	6.5	MPa	ISO 527 (PK 1 BA)
Tensile Strength (@ break)	19	MPa	ISO 527 (PK 1 BA)
Elongation (@ break)	>700	%	ISO 527 (PK 1 BA)
Tensile Strength (@ film 50µm)	MD 27	MPa	ISO 527
Tensile Strength (@ film 50µm)	TD 24	MPa	ISO 527
Processing recommendation	120-160	°C	-

The values listed are standard values.

Application

- **Stretch films**
- **Flexible hoses**

Properties

- **Flexibility – especially at low temperatures**
- **Good mechanical properties**



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Safety and Environment

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.