



# Flexaren 14003

CAS No.: 24937-78-8

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Flexaren 14003 is an ethylene vinyl acetate copolymer with 14% content of vinyl acetate. The product is manufactured by high pressure tubular process.

Flexaren 14003 is more elastic than LDPE, compatible with a wide range of polymers and can be processed with the same equipment.

### Properties

- Very good flexibility (especially at low temperatures)
- High transparency
- Good mechanical properties

### Applications

- Flexible articles by injection moulding
- Flexible hoses
- Crosslinked foams
- Stretch films
- Coextrusion films
- Railpads

### Product Specification

	Value	Unit	Method
MFI (@ 190°C; 2.16kg)	3	g/10min	ISO 1133
Density (@ 20°C)	0.934	g/cm <sup>3</sup>	DIN EN ISO 1183-1
VA content	14	%w/w	FTIR
Vicat-softening-temperature	65	°C	ISO 306 Method A
Hardness Shore A	91	-	ISO 868
Hardness Shore D	35	-	ISO 868
Strength (@ 50% elongation)	4.3	MPa	ISO 527 (PK 1 BA)
Tensile strength (@ break)	19	MPa	ISO 527 (PK 1 BA)
Elongation (@ break)	> 750	%	ISO 527 (PK 1 BA)
Processing recommendation	100 - 150	°C	-

*The values listed are standard values.*

### **Food Legislation**

The monomers and other source materials used to produce commodities of Flexaren are mentioned in the EC directive 2002/72. According to this Flexaren has been approved for the manufacture of consumer goods which are used in contact with food, with a restriction being applicable to vinyl acetate (migration value SML=12 mg/kg).

### **Safety and Toxicology**

Flexaren has not been classified as hazardous material in accordance with the Hazardous Material Act and does not require marking. Disposal of the product is to be carried out in accordance with the local regulations. For further information please see the relevant Safety Data Sheet at [www.innospecinc.com](http://www.innospecinc.com)

### **Packaging, Shipment and Storage**

Flexaren is delivered as granular material of natural colouring, preferably packed in 25 kg LDPE-bags on lined pallets of 750 kg each or as loose material in bulk trucks. Other types of shipping and packaging upon inquiry. Flexaren shall be stored in its original packaging at room temperature at a dry place. Direct sun radiation and contact with water should be avoided.



For further information, please email your region:

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