FLEXAREN® 14003 – high quality ethylene vinyl acetate copolymer with 14% content of vinyl acetate. Manufactured by high pressure tubular process.

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

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Reference Value</th>
<th>Units</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFI (@190°C; 2.16kg)</td>
<td>3</td>
<td>g/10min</td>
<td>ISO 1133</td>
</tr>
<tr>
<td>Density (@ 20°C)</td>
<td>0.934</td>
<td>g/cm³</td>
<td>DIN EM ISO 1183-1</td>
</tr>
<tr>
<td>VA content</td>
<td>14</td>
<td>wt. -%</td>
<td>FTIR</td>
</tr>
<tr>
<td>Vicat-softening-temperature</td>
<td>65</td>
<td>°C</td>
<td>ISO 306 Method A</td>
</tr>
<tr>
<td>Hardness Shore A</td>
<td>91</td>
<td>-</td>
<td>ISO 868</td>
</tr>
<tr>
<td>Hardness Shore D</td>
<td>35</td>
<td>-</td>
<td>ISO 868</td>
</tr>
<tr>
<td>Strength (@ 50% Elongation)</td>
<td>4.3</td>
<td>MPa</td>
<td>ISO 527 (PK 1 BA)</td>
</tr>
<tr>
<td>Tensile Strength (@ break)</td>
<td>19</td>
<td>MPa</td>
<td>ISO 527 (PK 1 BA)</td>
</tr>
<tr>
<td>Elongation (@ break)</td>
<td>&gt;750</td>
<td>%</td>
<td>ISO 527 (PK 1 BA)</td>
</tr>
<tr>
<td>Processing recommendation</td>
<td>100-150</td>
<td>°C</td>
<td>-</td>
</tr>
</tbody>
</table>

The values listed are standard values.

Main Scope of Application

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

Properties

- Very good flexibility (especially at low temperatures)
- High transparency
- Good mechanical properties
Form of delivery, Packaging and Storage

FLEXAREN® is delivered as granular material of natural colouring, preferably packed in 25kg- PE-bags on lined pallets of 750kg 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 in a dry place. It must not be stored together with amines. Avoid direct sun radiation or water contact.

Food Legislation

All monomers used to produce commodities of FLEXAREN® are listed in regulation (EC) 10/2011.

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.

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.