Melos Infill EPDM ST

»Our aim:
Infill granules for the perfect artificial turf system«

Made for top performances: Infill Granules by Melos.

Tested and flexible: The proven Infill EPDM ST is very lightfast and weatherproof. The selection of suitable pigments ensures the durability of the colours. The infill is produced out of virgin material for the use as an artificial turf granule. Melos Infill EPDM ST is offered in sulphur cross-linked form. Many years of experience with infill granules have shown that this cross-linking method results in a product with solid ageing stability and optimal sports-technical attributes.

Melos Infill Granules are used in different turf systems and are long-term proven. Intensive tests belong to our standards and ensure a high performance product.

» Sports-functional
The use of rubber for filling artificial turf pitches is recommended by sports associations and sports medical experts as it protects the skin and joints. The Infill EPDM ST is manufactured for artificial turf systems and provides optimal sports functional properties.
Suitability tests underline Infill ST’s ideal suitability for intensive use as infill granules for artificial turf.

Optimal grain form and distribution are significant to the overall performance on a turf system. We have identified the driving parameters and can recommend a suitable granule for your particular requirements. The sieve curves below show the grain distribution of Infill EPDM ST 15 and ST 20, as measured by an optical measuring system.

Available colours

- **Infill Green**  
  Code: 46 5100  
  RAL: 6021

- **Brown**  
  Code: 46 2800  
  RAL: 8024

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<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value*</th>
<th>Test standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>g/cm³</td>
<td>1.60</td>
<td>DIN EN 1183-1</td>
</tr>
<tr>
<td>Polymer content</td>
<td>%</td>
<td>approx. 20</td>
<td>DIN EN ISO 3451-1</td>
</tr>
<tr>
<td>Bulk density (approx. ± 10%)</td>
<td>g/l</td>
<td>650</td>
<td>ISO 60</td>
</tr>
<tr>
<td>Hardness</td>
<td>Shore A</td>
<td>60</td>
<td>DIN ISO 7619-1</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>MPa</td>
<td>&gt; 5</td>
<td>DIN 53 504</td>
</tr>
<tr>
<td>Elongation at break</td>
<td>%</td>
<td>&gt; 500</td>
<td>DIN 53 504</td>
</tr>
</tbody>
</table>
| Grain size              | mm   | 0.5 - 1.5 or 0.5 - 2.0 | DIN 18035-7, appendix B.
| Polymer base            |      | EPDM   |                         |
| Flame retardance        |      | Available as a supportive component in a system of class Cfl-s1 (DIN EN 13501-1).2 |

Environmental and health tests

- **Test in accordance with**  
  - EN 71-3  
  - AIPS GS 2014:01 PAK  
  - DIN 18035-7

  **Conformity**  
  - Fulfills the requirements of toy safety standard with respect to the migration of certain components.
  - Fulfills the requirements of the category 1 and can be used safely.
  - Fulfills all requirements according to DIN 18035-7, appendix B.

Suitability tests

In practical use, infill granules have to withstand severe conditions: intensive mechanical pressures and high stress caused by sunlight and fluctuating climatic conditions. The quality of the sulfur cured Melos Infill EPDM ST granules is continuously tested and controlled by the RAL Quality Monitoring. Naturally, the material also complies with all the usual national standards for artificial turf pitches.

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* Technically related variations in property and colour and production-related variations as well as innovations and technical changes are reserved. Products shown may differ in configuration from the actual product.

1 The RAL colour specifications are non-binding approximations. Differences in colour of the images are due to printing process.

2 According to DIN EN 13501-1 individual components of a floor covering can not be tested according to standards. The fire classification is based on the entire system.