LOTADER® 4513T PROVISIONAL DATA SHEET

Ethylene - Acrylic Ester - Maleic Anhydride terpolymer

DESCRIPTION
LOTADER® 4513T is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure process.

PROPERTIES

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Typical Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Acrylate content</td>
<td>24</td>
<td>% Wt</td>
<td>FTIR (internal method)</td>
</tr>
<tr>
<td>Maleic Anhydride content</td>
<td>0.3</td>
<td>% Wt</td>
<td>FTIR (internal method)</td>
</tr>
<tr>
<td>Melt Index (190°C / 2.16 kg)</td>
<td>8</td>
<td>g/10min</td>
<td>ISO 1133 / ASTM D1238</td>
</tr>
<tr>
<td>Melting point</td>
<td>96</td>
<td>°C</td>
<td>ISO 11357-3</td>
</tr>
<tr>
<td>Density</td>
<td>0.95</td>
<td>g/cm³</td>
<td>ISO 1183 / ASTM D1505</td>
</tr>
<tr>
<td>Vicat softening temperature (10N)</td>
<td>42</td>
<td>°C</td>
<td>ISO 306 / ASTM D1525</td>
</tr>
</tbody>
</table>

Values will be confirmed after 3 industrial productions.

APPLICATIONS
LOTADER® 4513T is an ultra-versatile ready-to-use tie layer for extrusion coating and lamination.

LOTADER® 4513T provides excellent adhesion in direct bonding onto printed, reverse-printed and plain films (OPET, OPP, CPP, OPA), while having a good processability in extrusion coating and lamination onto foil, metallized films, paper and board.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.
**LOTADER® 4513T**

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**PROCESSING**

**LOTADER® 4513T** could be extruded with standard polyolefin equipment with typical melt temperature of 290°C and up to 320°C.

LDPE purge is recommended before extruder shut-down.

**STORAGE, HANDLING AND SAFETY**

**LOTADER® 4513T** is usually packed in waterproof bags or rigid containers with waterproof liner. It should be stored in dry conditions and be kept out of moisture in an aerated building. Improper storage conditions may cause degradation and could have consequences on physical properties of the product. It is recommended to reseal the bag or the liner after use to protect **LOTADER® 4513T** against moisture.

Safety data sheet as well as information on handling and storage of the **LOTADER® 4513T** is available upon request to your ARKEMA representative.

**SHELF LIFE**

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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