NBR 2655
Acrylonitrile-butadiene rubber

- NBR 2655 is essentially an acrylonitrile (27-30%) and 1,3-butadiene copolymer obtained by emulsion polymerization method with the use of fatty acid soaps as emulsifier in accordance with the ecologically clean technology. Medium content of acrylonitrile, heightened oil resistance.
- Product characteristics: appearance – bales from light-yellow to pink or light-beige color; weight of a bale 30 ± 0,5 kg;
- Shelf life is 1 year since the date of manufacture. Storage conditions: at the temperature not higher than 30 °C, in place protected from direct sunlight and atmospheric precipitation.
- Package: plywood 1,26 mt or plastic container 0,54 mt.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>NBR 2655</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mooney viscosity MML 1+4 (100 °C)</td>
<td>52-58</td>
<td>ASTM D 1646</td>
</tr>
<tr>
<td>Volatile matter content, wt %</td>
<td>≤ 0,8</td>
<td>ASTM D 5668</td>
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<tr>
<td>Ash content, wt %</td>
<td>≤ 0,5</td>
<td>ASTM D 5667</td>
</tr>
<tr>
<td>Acrylonitrile content, wt %</td>
<td>27-30</td>
<td>method of supplier</td>
</tr>
</tbody>
</table>

**ASTM D 3187 (method A), 145 °C × 50 min**

- Tensile stress at 300 % elongation, MPa     | ≥ 8,8    | ASTM D412         |
- Tensile strength, MPa                       | ≥ 22,5   | ASTM D412         |
- Ultimate elongation, %                      | ≥ 450    | ASTM D412         |

**Curing characteristics of rubber compound**

*Rheometer MDR 2000, measurement conditions: 160 °C, deformation of 0.5%, MH at 30 min*

- Minimum torque (ML), dNm                    | 1,0-2,4  | ASTM D 5289       |
- Maximum torque (MH), dNm                    | 12,2-16,6| ASTM D 5289       |
- Scorching time (ts1), min                  | 1,9-4,5  | ASTM D 5289       |
- Time to 50% of full cure (t 50), min       | 3,2-6,0  | ASTM D 5289       |
- Time to 90% of full cure (t 90), min       | 10,6-16,0| ASTM D 5289       |

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