SYNTION® 2552
Styrene-Butadiene Rubber - SSBR

CHARACTERISTICS
SYNTION® 2552 is a standard grade of high-vinyl, solution styrene-butadiene rubber, oil extended type. It is produced by a technology of anionic copolymerization, based on lithium catalyst. Contains 25% of chemically bonded styrene as well as 27% (37.5 PHR) of extender oil with reduced content of polycyclic aromatics (TDAE grade) and is stabilized with a non-staining antioxidant.

GENERAL REQUIREMENTS
Bales of synthetic rubber SYNTION® 2552 should be close to dimensions 720x360x180 mm. Presence of any mechanical impurities is not permitted.

TECHNICAL PARAMETERS

RUBBER TECHNICAL PARAMETERS

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Units</th>
<th>Values</th>
<th>Test methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mooney viscosity ML 1+4 (100°C) – unmassed</td>
<td>°ML</td>
<td>46 ÷ 58</td>
<td>ASTM D1646</td>
</tr>
<tr>
<td>Volatile matters</td>
<td>% wt.</td>
<td>max. 0,75</td>
<td>ASTM D5668</td>
</tr>
<tr>
<td>Bound styrene</td>
<td>% wt.</td>
<td>23,0 ÷ 27,0</td>
<td>Own method</td>
</tr>
<tr>
<td>1,2-butadiene structure (vinyl) content</td>
<td>% wt.</td>
<td>47,0 ÷ 53,0</td>
<td>Own method</td>
</tr>
<tr>
<td>Oil content</td>
<td>% wt.</td>
<td>25,8 ÷ 28,8</td>
<td>ASTM D5774</td>
</tr>
<tr>
<td>Glass transition temperature (Tg), typical</td>
<td>°C</td>
<td>-25</td>
<td>Own method</td>
</tr>
</tbody>
</table>

Guaranteed values of relevant technical parameters of the product are each time agreed upon in the sales contract.

TRANSPORTATION
SYNTION® is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers.

SYNTION® is not a dangerous material to transport.

Synthos Dwory 7 spółka z ograniczoną odpowiedzialnością spółka jawna
ul. Chemików 1, 32-600 Oświęcim, tel. +48 33 844 18 21...25, fax +48 33 842 42 18.
www.synthosgroup.com
STORAGE
Product should be stored in sheltered conditions away from direct sunlight, at least 2 meters away from radiant heating elements and the temperature should not exceed 30°C. The guaranteed shelf life for SYNTION® under the above-mentioned conditions is eighteen (18) months from the date of production.

APPLICATION
SYNTION® 2552 is appropriate for silica/carbon black filled rubber compounds used in the production of low rolling resistance car tyre treads of improved wet grip as well as various technical rubber articles.
It is not approved for production of rubber articles coming into contact with foods or drinking water.

This document is of an informative character. The information given herein is based on the present state of our knowledge and experience. It makes neither product properties nor qualitative parameters guarantee and cannot be used as a basis of any claims. The information provided cannot be used for any mixtures with any other substances. Product should be transported, stored and used in accordance with valid regulations and good occupational hygiene practice.

Making use of the information as well as product application is beyond the producer control and determination of the safe conditions of use is the sole responsibility of a customer.