Rubatan 184
Chemicals
Technical Data

Description
Antidegradant for rubber compounds.

Uses
Rubatan 184 is a radical scavenger in a wide range of elastomers to protect against aging. It is recommended for protection of Natural rubber vulcanizates and Synthetic rubbers (SBR, BR, IR, CR, NBR) and for latices, cross-linked Polyethylenes, cross-linked Ethylene-Propylene copolymers and peroxide cross-linkable copolymers.

Rubatan 184 inhibits oxidation catalized by heavy metals (copper and manganese). Its protection against oxidation is particularly effective to provide long term heat and ambient aging resistance to rubber compounds.

Rubatan 184 can be used as primary antioxidant in rubber and has also a medium intensity antiozonant effect. It is strongly recommended to protect rubber goods that must work at high temperatures and tires in particular.

Packing
Rubatan 184 is presented in 25 kg plastic or paper bags and in big-bags.

Storage
Very good stability if stored in cool and dry conditions.

Active ingredient
Polymerised 2,2,4-Trimethyl-1,2-dihydroquinoline (TMQ)

CAS Nr.
26780-96-1

Color
Amber to brown solid

Physical form
Available as pastilles or flakes

Toxicity
No toxic in normal conditions of use

Recommended Shelf life
3 years from production date

Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification/limit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening point</td>
<td>80 – 100 ºC</td>
<td>ASTMD 3461</td>
</tr>
<tr>
<td>Ash</td>
<td>0.5 % max.</td>
<td>ASTMD 4574</td>
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<tr>
<td>Heat loss</td>
<td>0.5 % max.</td>
<td>PAPA(A) 43 (*)</td>
</tr>
</tbody>
</table>

(*) Analytical methods available upon request

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