Chemical Name: 1,3-Bis(citraconimidomethyl)benzene

Molecular Formula: C_{18}H_{16}N_{2}O_{4}

CAS NO.: 119462-56-5

Synonym: Perkalink 900

Structure:

Revision Number: 02
Date: 01/12/2009

<table>
<thead>
<tr>
<th>Specification</th>
<th>pdr</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (visual inspection)</td>
<td>Off white powder</td>
<td></td>
</tr>
<tr>
<td>Initial M.P., °C</td>
<td>≥75</td>
<td>ASTM D 1519-00</td>
</tr>
<tr>
<td>Final M.P., °C</td>
<td>80-90</td>
<td>ASTM D 1519-00</td>
</tr>
<tr>
<td>Loss on drying%, ≤</td>
<td>0.50</td>
<td>ASTM D 4571-02</td>
</tr>
<tr>
<td>Ash content%, ≤</td>
<td>0.30</td>
<td>ASTM D 4574-02</td>
</tr>
</tbody>
</table>

Properties:

WK-901 is an antireversion agent which is not reactive during the initial stages of vulcanization. There are not affected in scorch and cure time. So it can be added without making other compound or process modifications.

Application:

It can be used in most sulfur vulcanized polymers such as NR, SBR, BR or blends of these elastomers to provide improved reversion resistance on over-cure.

It is used to allow the use of higher curing temperature for improved productivity without sacrificing performance properties.

It is usually used in high sulfur skim compounds to provide reduced heat generation and retention of adhesion to brass plated steel reinforcing material as well as enhanced thermal aging resistance.

It can be used in bladder to reduce or eliminate sulfur, and overcoming mold fouling.

Recommend Dosage:

It begins to work when sulfur cross-links are being destroyed. It is most effective in compounds that are sensitive to thermal degradation.

The dosage of WK-901 needs to be optimized based on the expected degree of reversion (it is decided by the accelerator/sulfur ration). As a starting point, we recommend the following dosages:

- Efficient to semi-efficient cure systems: 0.25-0.40phr
- Semi-efficient cure systems: ≤0.75phr
- Conventional cure systems: ≤0.75phr
- High sulfur compounds: ≤0.75phr

Storage:

It should be stored in dry, good ventilation conditions place, Avoid exposure to direct sunlight.

Package:

- Bag: 20kg/bag
- Pallet(1.1*1.1): 700kg