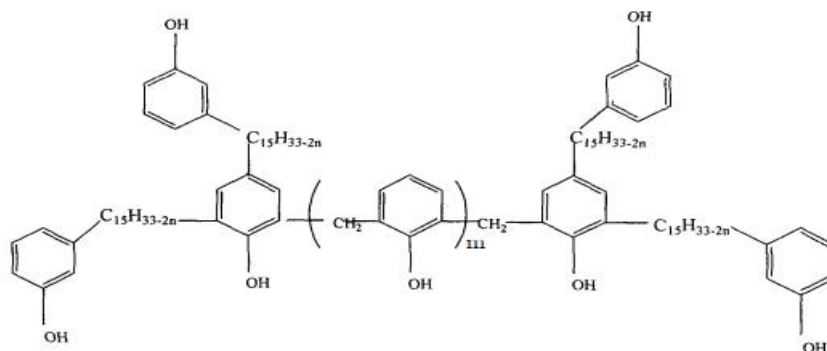# 腰果油改性酚醛树脂

## Cashew Oil Modified Phenolic Resin

## 一、产品描述 Description

本产品为橡胶补强系列树脂，是腰果油改性的苯酚甲醛树脂，固化交联后可提高胶料的硬度、强度等性能。

This product, a rubber reinforcement resin, is a phenolic formaldehyde resin modified with cashew oil. After curing and cross-linking, it can improve the hardness, strength, and other properties of the rubber materials.

## 二、结构式 Structural formula



## 三、技术指标 Technical indicators

| 牌号<br>Grade No | 外观<br>Appearance | 软化点<br>Softening point<br>（℃） | 550℃灰分<br>Ash content<br>（%） | 游离酚<br>Free phenol<br>（%） |
|---|---|---|---|---|
| DR-7101 | 棕红色颗粒<br>Brownish red particles | 85-95℃ | ＜0.5 | / |
| DR-7526 | 棕红色颗粒<br>Brownish red particles | 87-97℃ | ＜0.5 | ＜4.5 |
| DR-7526A | 棕红色颗粒<br>Brownish red particles | 98-102℃ | ＜0.5 | ＜1.0 |

## 四、性能特点  Performance characteristics

本产品需在混炼前期加入，对胶料具有良好的增塑、软化作用，有利于填充料的分散，降低胶料门尼粘度；为获得最佳补强效果，需要添加树脂量 8-10%的亚甲基给予体作为酚醛补强树脂固化剂。在胶料硫化过程中，补强树脂通过和固化剂的热交联反应，能提高胶料的硬度、撕裂、耐磨性、拉伸强度与定伸性能。

This product shall be added in the early stage of mixing, which can plasticize and soften rubber materials very well, and it is conducive to dispersing filling materials, and reducing the Mooney viscosity of the rubber materials. To achieve the best reinforcement effect, methylene donor with a resin content of 8-10% shall be added as a curing agent for phenolic reinforcement resin. During the vulcanization process of the rubber materials, the reinforcing resin can improve the hardness, tear resistance, wear resistance, tensile strength, and elongation performance of the rubber materials through thermal cross-linking reaction with the curing agent.

## 五、产品用途  Uses

主要应用于轮胎的胎圈、胎面等部位，也用于鞋底胶及车窗密封条等。

Mainly used in the bead, tread, and other parts of tires, as well as for shoe sole adhesive and window sealing strips.

## 六、包装存储  Packaging and storage

1、阀口袋包装或纸塑复合包装并内衬塑袋，25kg/袋。

2、储存：产品应存放于干燥、阴凉、通风、避雨仓库内，储存温度 25℃以下储存期为 12 个月，产品到期经复检合格可继续使用。

1. Valve bag packaging or paper plastic composite package lining with inner plastic bag, 25kg/bag.

2. Storage: The product should be stored no longer than 12 months, in a dry, cool, ventilated, and rainproof warehouse below 25 ℃. The product can still be used if tested qualified upon expiration.