



## Struktol Company of America

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# TECHNICAL DATA

## **STRUKTOL<sup>®</sup> HP 55**

### **HIGH PERFORMANCE PROCESSING ADDITIVE**

#### **COMPOSITION**

Mixture of dark aromatic hydrocarbon resins and fatty acid derivatives.

#### **PROPERTIES**

Appearance	dark brown pastilles
Ash Content (% , max.)	6.5
Dropping Point (°C)	98-109
Specific Gravity	1.04
Physiological Behavior	refer to safety data sheet
Storage Stability	at least 2 years under normal storage conditions
Packaging	25 kg. PE bags

#### **RECOMMENDATIONS FOR APPLICATION**

STRUKTOL<sup>®</sup> HP 55 is a high performance process additive developed for the rubber industry. Benefits have been shown in the tire industry, particularly where solution SBR and NR are being used. Processing benefits are seen without adverse effects on dynamic properties. This leads to potential application in other tire and non-tire applications (conveyor belts, motor mounts, hose, etc.)

STRUKTOL<sup>®</sup> HP 55 offers improved mixing and milling characteristics, hot tear and reversion resistance are directionally improved. Testing has shown a reduction in Tan Delta when used as a partial replacement for process oil.

Other benefits include viscosity reduction and improved flow properties. The processability and reversion resistance improvement may provide potential for higher productivity and higher temperature/faster cure times. STRUKTOL<sup>®</sup> HP 55 can be added with the polymers in most mix cycles.

#### **DOSAGE**

5 - 15 phr

(07/22/97) typ

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