



## **POLYTONE SYNTHETIC RESINS**

### **Alkyl Phenolic Resins**

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#### **TECHNICAL DATA**

#### **POLYTONE AP 131**

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Chemical Classification	Phenol-POP Formaldehyde Resin( Novolac)
Type	Non Heat Reactive/Reinforcing Resin
Physical Form	Broken Lumps
Colour	Pale Yellow/light Reddish Brown
Softening Point (B & R)	90° C – 105 ° C
Acid Value	65 - 68 mg KOH/ g resin (Max)
Methylol Content	1.0% Max
Free Phenol	1.0% Max
Ash Content	0.5% Max

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#### **Applications**

POLYTONE AP 131 is a non heat reactive thermoplastic phenol-alkyl phenol resin designed for use in synthetic and natural rubber based compounds in Applications that require high hardness compounds that process easily.

POLYTONE AP 131 is particularly suited for industrial tread Applications such as farm, off the road, mining and truck tires. Tread compounds with 5-10 phr of AP 131 cross linked with a methylene donor shall have excellent cut and chip resistance along with excellent abrasion resistance and high hardness.

#### **Industrial Applications**

Tyre /Tire Building, Conveyor Belts, Rubber Hose, Rubber Lining, Shoe Soles, Apex Strips, Tire Beads, Tire Treads, Rubber Mats, Rubber Sheets, Reinforced Rubber, Fabric Lined Rubber, Rubber Adhesives, Rubber Goods and many more.

#### **Solubility**

POLYTONE AP 131 is soluble in esters, ketones, aromatic and aliphatic chlorinated hydrocarbons. Insoluble in alcohols.

#### **Compatibility**

Excellent compatibility in synthetic and natural rubbers. Blends easily into rubber stocks

#### **Packaging**

Available in 25 Kg bags

#### **Shelf Life**

Store under cool dry conditions. It is recommended that the material be used within 12 months from the date of manufacture

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