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RESINS & TACKIFIERS -PHENOLIC-

P-124 RESIN

PRODUCT DESCRIPTION:

P-124 is a heat reactive resin formulated for curing Butyl* or halogenated Butyl polymers. Complete cures can be produced in 10 to 60 minutes, at temperatures ranging from 310°F to 350°F, without the use of activators and exhibiting exceptional scorch protection. Cured stocks utilizing P-124 result in low compression set, excellent dynamic properties, high temperature stability and no bloom with a possible slight stain. P-124 can also be used in general purpose, sulfur-free cure systems for unsaturated elastomers.

TYPICAL PROPERTIES:

Form	Lump
Melt Point (Capillary Tube)°F	140
Specific Gravity.....	1.05
Color.....	Red
Bromine Content, %.....	3.80
Methylol Content, %	11.00
Water Content, %	0.12
Active Material, %	99.5+
Odor	Faint Halogen

SOLUBILITY:

P-124 is soluble in aliphatic and aromatic solvents, including benzene, xylene, toluene, ketones, and various naphthas.

SHIPPING CONTAINERS:

Standard container is a 350 pound fiber drum.

GENERAL RECOMMENDATIONS:

P-124 is a self-activating resin for butyl rubber whereby the recommended usage is 12 phr, however, where maximum ozone resistance is required, 15 phr is needed. Five (5) phr usage is recommended with chlorobutyl, and 5 to 15 phr for the unsaturated polymers.

No change in black loadings are required as with any other polymer, however, with mineral fillers, they must be completely alkali free so as not to poison the cure.

* U.S. Patent No. 2,701,895 and others to U.S. Rubber Company.

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