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RESINS & TACKIFIERS
-PHENOLIC-

SP-1044
(formerly P-146 Resin)

PRODUCT DESCRIPTION:

SP-1044 is a heat-reactive resin made from octylphenol and formaldehyde and is designed specifically for resin curing of Butyl rubber.

TYPICAL PROPERTIES:

Physical Form	Flake*
Softening Point, Ball & Ring (°C).....	80 – 90
Methylol Content (%).....	7.0 – 9.5
Specific Gravity	1.04

* Note: Due to the low melt point of SP-1044, it may be received as a “massed” solid.

SOLUBILITY:

SP-1044 is soluble in aromatic, aliphatic and chlorinated hydrocarbons, ketones, esters and has limited solubility in higher alcohols.

CURING BUTYL RUBBER:

SP-1044 used in combination with halogen and zinc donors, yields butyl vulcanizates with outstanding resistance to high heat and compression set. In addition, these vulcanizates are non-blooming, non-staining, and have high modulus values. Resin-cured butyl rubber, because of its versatility and inherent ozone and heat resistance, has been employed in many areas such as tire curing bags, conveyor belts, gaskets and heat-resistant packing.

FORMULA FOR CURING BUTYL RUBBER

Exxon Butyl 268	100	100
N-330 Black	50	50
Zinc Oxide	5	5
Stearic Acid	1	-
Castor Oil	-	5
SP-1044 Resin	10	10
Neoprene W	5	5

STORAGE:

For best results, SP-1044 should be stored where temperatures do not exceed 86°F for extended periods of time. As with all phenolic resins, SP-1044 will become darker with age.

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 X-sp-1044/p-146

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