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RESINS & TACKIFIERS
-PHENOLIC-

P-126 RESIN

-HEAT REACTIVE PHENOLIC RESIN-

PRODUCT DESCRIPTION:

P-126 is a heat reactive, alkyl phenolic resin formulated for use in Neoprene AF* based contact adhesives. It imparts low initial viscosity and excellent viscosity-stability to adhesives of this type. P-126 can also be used with the adhesive grades of chloroprene where good bond strength, both at room and elevated temperatures, are the result.

TYPICAL PROPERTIES:

Form.....	Flake
Melting Point (Capillary Tube).....	85°C
Specific Gravity at 25°C	1.10
Color (Gardner Scale, 60% in toluene).....	1 – 8
Methylol Content, %.....	12 - 16

SOLUBILITY:

P-126 is soluble in aromatic solvents, including toluene, benzene and xylene, ketones, and chlorinated hydrocarbons and partially soluble in aliphatic hydrocarbons.

FORMULATING:

Adhesives based on Neoprene AF** depend on an interaction between the elastomer and metal oxides for the development of their high cohesive strength at room and elevated temperatures. The primary function of the resin component is to give low initial viscosity and maintain viscosity-stability. A typical formulation is as follows:

<u>Part A</u>		<u>Part B</u>	
Neoprene AF	100.0	P-126 Resin	45.0
Antioxidant	1.0	Water	1.0
Magnesium Oxide	8.0	Solvent	480.0
Zinc Oxide	5.0		

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** A solvent system of 1/3 each by weight toluene, MEK, and Hexane gave low initial viscosity and good stability.

Warm mill rolls to 50°C and add Part A, adding AF, ELASTOMAG, Zinc Oxide, and Antioxidant in that order. Dissolve resin in part B in solvent and water. After resin is completely in solution, combine Part A with Part B and mix until smooth and homogeneous.

SHIPPING CONTAINERS:

Multiwall bags, 50 pounds net weight.

PRECAUTIONARY LABELLING:

In common with other supplies of plastics and chemicals, the precautionary label recommended by the Manufacturing Chemists Association for this material reads as follows:

CAUTION: MAY CAUSE IRRITATION. Avoid prolonged contact with skin. Avoid prolonged breathing of vapor or dust. Use with adequate ventilation.

* Product of E.I. DuPont de Nemours Company.