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RESINS & TACKIFIERS
-PHENOLIC-

P-175 RESIN
-THERMOSETTING TWO-STEP PHENOLIC RESIN-

PRODUCT DESCRIPTION:

A cashew nut oil modified phenol-formaldehyde two-step thermosetting resin. P-175 contains between 6-7% hexamethylenetetramine.

TYPICAL PROPERTIES:

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| Specific Gravity | 1.17 |
| Solubility..... | Ketones and blends of alcohols and aromatics |
| Screen Analysis..... | 2% max. retained on 200 mesh |
| Melt Point Range (Capillary Tube) | 65°-80°C |
| Hot Plate Cure at 160°C..... | 22-45 sec |
| Inclined Plate Flow (125°C) | 70-85 mm |
| Storage | Stable, but should be stored under cool dry conditions to prevent sintering |

GENERAL RECOMMENDATIONS:

Because of its unlimited compatibility, P-175 is used extensively for modifying the properties of nitrile rubber compounds and solvent cements. During processing, the resin plasticizes the stock, making filler loading and further processing easier. In the cured state, increasing amounts of resin will decrease elongation but will increase tensile strength, flexural strength, hardness, abrasion resistance and rigidity.

P-175 will also improve rubber bonding to metal as well as adhesion to fabrics. 5-10 phr will help most bonding situations (a precipitated silica at 10 phr or more will work synergistically with the P-175 to help adhesion)

SHIPPING CONTAINER:

Standard container is a fiber drum containing 225 pounds net, or a 50 pound bag.

PRECAUTIONARY LABELLING:

The label for this product follows the Manufacturing Chemists Association recommendation:

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

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