

PHENOXY PK™ HS-30 PMA Resin Solution

Product Description

PHENOXY PK™ HS-30 PMA solution is a 30% NV solution of Phenoxy™ resin in PM acetate (PMA or Propylene Glycol Methyl Ether Acetate). Phenoxy™ resins (polyhydroxyethers) are tough, ductile, amorphous, thermoplastic polymers having excellent thermal stability, adhesive strength, and vapor barrier properties. Phenoxy™ resins may be crosslinked by reacting its hydroxyl functional groups with isocyanates, melamine resins, or phenolic resins. Crosslinked Phenoxy™ resins exhibit excellent chemical resistance, hardness, and adhesion on many substrates including steel, aluminum, glass, carbon fibers, and plastics such as nylon and polyester (PET).

Applications

- Thermoset Coatings
- Adhesives and Sealants
- Can and Coil Coatings
- Zinc Rich Primers

Typical Properties

Property	Value
Color, AHPA (max)	200
Solids, %	29-31
Viscosity (Brookfield) at 25 °C, cP	5,000-15,000
OH Equivalent Weight (solids basis, g/equivalent)	280
Molecular Weight (Average, Daltons)	45,000-55,000
pH	6.8-7.8

Processing

PHENOXY PK™ HS-30 PMA can be reduced with additional PMA to attain lower viscosities; the addition of MEK will reduce viscosities at a faster rate. The addition of diluents like xylene or toluene can also be useful. Coatings of PKHS-30 PMA exhibit excellent levels of flexibility and toughness when appropriately cured.

Regulatory Status

TSCA (USA), DSL (Canada), PICCS (Philippines), AICS (Australia), ENCS/MITI (Japan), IECSC (China). Polymer Exempt: EINECS (EU)

Storage

PHENOXY PK™ HS-30 PMA should be stored in a dry place, in its sealed original container, at temperatures between **0°C - 40°C (32°F - 104°F)**. Under these storage conditions the shelf life is **24 months** from date of manufacture. The product should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

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