

## PHENOXY PK™ HP-200 Resin

### Product Description

PHENOXY PK™ HP-200 resin is a micronized, powder-grade PHENOXY™ resin with a particle size of approximately 110 microns. PHENOXY™ resins (poly hydroxyl ethers) are tough, ductile, amorphous polymers having excellent thermal stability, adhesion and cohesion strength, and excellent vapor barrier properties. PHENOXY™ resins also react with cross-linkers like isocyanates, phenolic and melamine resins along the backbone hydroxyl groups. PKHP-200 provides for ease of incorporation into liquid resins due to its high surface area; recommended levels of PKHP-200 incorporated into epoxy resins are 5 to 25% depending on the desired mix viscosity. Single-pack epoxy formulations containing PKHP-200 and latent hardeners such as dicyandiamide will yield improve toughness and adhesive strength when properly cured on many substrates including steel, aluminum, glass and carbon fibers, and plastics such as nylon and polyester (PET).

### Applications

- Single-Pack Epoxy/DICY Coatings
- Adhesives and Sealants
- Composites

### Specified Key Properties

Property	Value
Appearance	White Powder
Color APHA*	200 (max)
Haze*, %	15 %
Solids	98 - 100 %
Viscosity* at 25 °C	475 - 715 cP
Particle Size (D-100)	0 - 550 um

\*20% solution in cyclohexanone

### Regulatory Status

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

### Storage

**PHENOXY PK™ HP-200** 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 product has a shelf life of **10 years** 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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