

# PHENOXY PK™ HS-27 MEK Resin Solution

## Product Description

PHENOXY PKHS-27 is a nominal 27% NV solution of acid-modified Phenoxy resin in methyl ethyl ketone (MEK). Phenoxy resins (polyhydroxyethers) are tough, ductile, amorphous polymers having excellent thermal stability, adhesive and cohesive strength, and vapor barrier properties. Phenoxy resin may be crosslinked by reacting its pendant hydroxyl groups with isocyanates, melamine resins or phenolic resins. In addition to hydroxyl groups, Phenoxy PKHS-27 also possesses carboxylic acid groups which can be crosslinked with poly(carbodiimides), poly(aziridines), di-epoxides or poly-epoxide agents & resins. Crosslinked phenoxy resin exhibits excellent chemical resistance, toughness, hardness, and adhesion on many substrates including steel, aluminum, glass, carbon fiber and thermoplastics such as polyamides (Nylon) and polyesters (PET, PBT).

## Features

- Acid functionality
- Improved adhesion, toughness and flexibility
- High chemical and solvent resistance

## Applications

- Thermoset Coatings
- Adhesives and Sealants
- Metal Coatings

## Typical Properties

Property	Value
Appearance	Hazy, light-yellow liquid
Solids	25.0 – 29.0 %
Viscosity at 25 °C	<1,000 cP
Acid value	16.0 – 19.0 mg KOH/g

### Regulatory Status

TSCA (USA), DSL (Canada), AICS (Australia), ENCS/MITI (Japan), IECSC (China), ECL (Korea), TCSI (Taiwan)

### Storage

**PHENOXY PK™ HS-27** 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 **12 months** from date of manufacture. The product should not be exposed to direct sunlight. PKHS-27 is flammable and must be stored and handled in accord with standard Safety practices for flammable materials.

### 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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