

# PHENOXY PK™ HS-40 PMA Resin Solution

## Product Description

PHENOXY PK™ HS-40 is a 40% NV solution of PHENOXY™ resin in methyl ethyl ketone (MEK). 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

## Specified Key Properties

Property	Value
Color, AHPA	200 (max)
Solids	39 - 41 %
Viscosity at 25 °C	4,500 - 7,000 cP

## Processing

PHENOXY PK™ HS-40 PMA can be reduced with additional MEK to attain lower viscosities, however below about 22% solids, the solution may phase separate. The addition of 1% by weight of water will permit stable solutions below 22% solids. Coatings of PKHS-40 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-40 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**

**FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

### Important Legal Notice

Sales of the product described herein ("Product") are subject to the general terms and conditions of sale of either Huntsman Advanced Materials LLC, or its appropriate affiliate including without limitation Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas LLC, or Huntsman Advanced Materials (Hong Kong) Ltd. ("Huntsman"). The following supercedes Buyer's documents.

Huntsman warrants that at the time and place of delivery all Products sold to Buyer shall conform to the specifications provided to Buyer by Huntsman, if any.

While the information and recommendations included in this publication are, to the best of Huntsman's knowledge, accurate as of the date of publication, NOTHING CONTAINED HEREIN (EXCEPT AS SET FORTH ABOVE REGARDING CONFORMANCE WITH SPECIFICATIONS PROVIDED TO BUYER BY HUNTSMAN) IS TO BE CONSTRUED AS A REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS, OR WARRANTIES AS TO QUALITY OR CORRESPONDENCE WITH PRIOR DESCRIPTION OR SAMPLE, AND THE BUYER ASSUMES ALL RISK AND LIABILITY WHATSOEVER RESULTING FROM THE USE OF SUCH PRODUCT, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER SUBSTANCES.

No statements or recommendations made herein are to be construed as a representation about the suitability of any Product for the particular application of Buyer or user or as an inducement to infringe any patent or other intellectual property right. Buyer is responsible to determine the applicability of such information and recommendations and the suitability of any Product for its own particular purpose, and to ensure that its intended use of the Product does not infringe any intellectual property rights.

The Product may be or become hazardous. The Buyer should obtain Material Safety Data Sheets and Technical Data Sheets from Huntsman containing detailed information on Product hazards and toxicity, together with proper shipping, handling and storage procedures for the Product, and should comply with all applicable governmental laws, regulations and standards relating to the handling, use, storage, distribution and disposal of, and exposure to the Product. Buyer shall also take all steps necessary to adequately inform, warn and familiarize its employees, agents, direct and indirect customers and contractors who may handle or be exposed to the Product of all hazards pertaining to and proper procedures for safe handling, use, storage, transportation and disposal of and exposure to the Product, and the containers or equipment in which the Product may be handled, shipped or stored.

**PHENOXY PK™** is a trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all countries.

© 2021 Huntsman Advanced Materials Inc.

#### Main Offices:

**Huntsman Corporation**  
10003 Woodloch Forest Dr  
The Woodlands, TX 77380  
888-564-9318

**Huntsman Advanced Technology Center**  
8600 Gosling Rd.  
The Woodlands, TX 77381  
281-719-7400