

Advanced Materials

Phenoxy PK[™]HS-PC[#]

CATINGS INDUSTRY SYSTEMS

	Phenoxy PK™HS-PC is a 32-34% NV solution of Pl grade) in PM acetate (PMA) and Cyclohexanone	nenoxy resin (Phe	noxy PK™HB	
Applications	Thermoset Coatings			
	Adhesives/Sealants			
	Can and Coil Coatings			
	Zinc Rich Coatings			
Properties	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). The recommended level of crosslinking range from 5 to 20 phr based on resin solids. Phenoxy PK [™] HS-PC provides for ease of handling in a lower viscosity pumpable fluid. Phenoxy PK [™] HS-PC can be reduced with additional PMA to attain lower viscosities. Solutions of Phenoxy PK [™] HS-PC exhibit excellent levels of flexibility and hardness when appropriately cured			
Key data	Specified key data			
	Non-Volatiles	32-34	[%]	
	Viscosity @ 25 °C	1300-3500	[mPa s]	
	Color	0-200	[APHA]	
	Specified key data are individually checked throughout and guaranteed.			
	Typical key data			
	Molecular Weight (Weight Average Phenoxy PK™HB)	32 000	[Daltons]	
	As-supplied form	Solution		
	Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	2 years at least		
	Hazardous decomposition products (when disposed of in fire)	carbon monoxi dioxide, nitrogen other toxic gases a	ide, carbon oxides and and vapours	
	Disposal	regular procedure local authorities	s approved by	
	Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.			

[#] In addition to the brand name product denomination may show different appendices, which allows us to differentiate between our production sites: e.g. BD = Germany, US = United States, IN = India, CI = China, etc. These appendices are in use on packaging, transport and invoicing documents. Generally the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.

Storage	Phenoxy PK [™] HS-PC should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 and 40°. The product should not be stored exposed to direct sunlight.
Handling precautions	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.

Huntsman Advanced Materials (Switzerland) GmbH Klybeckstrasse 200 4057 Basel Switzerland

Tel: +41 (0)61 299 11 11 Fax: +41 (0)61 299 11 12

www.huntsman.com/advanced_materials Email: advanced_materials@huntsman.com



Huntsman Advanced Materials warrants only that its products meet the specifications agreed with the buyer. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications.

The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

While all the information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

The behaviour of the products referred to in this publication in manufacturing processes and their suitability in any given enduse environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which are not known to Huntsman Advanced Materials. It is the responsibility of the user to evaluate the manufacturing circumstances and the final product under actual end-use requirements and to adequately advise and warn purchasers and users thereof.

Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent on manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

Except where explicitly agreed otherwise, the sale of products referred to in this publication is subject to the general terms and conditions of sale of Huntsman Advanced Materials LLC or of its affiliated companies including without limitation, Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., and Huntsman Advanced Materials (Hong Kong) Ltd.

Huntsman Advanced Materials is an international business unit of Huntsman Corporation. Huntsman Advanced Materials trades through Huntsman affiliated companies in different countries including but not limited to Huntsman Advanced Materials LLC in the USA and Huntsman Advanced Materials (Europe) BVBA in Europe.

[Phenoxy PK] is a registered trademark of Huntsman Corporation or an affiliate thereof.

Copyright © 2021 Huntsman Corporation or an affiliate thereof. All rights reserved.