

## Advanced Materials

# Phenoxy PK™HP-200<sup>#</sup>

CATINGS INDUSTRY SYSTEMS

### DATA SHEET

<b>Phenoxy PK™HP-200 is a micronized powder-grade Phenoxy resin.</b>																				
<b>Applications</b>	<ul style="list-style-type: none"> <li>• Single Pack Epoxy/DICY Coatings</li> <li>• Adhesives/Sealants</li> <li>• Composites</li> </ul>																			
<b>Properties</b>	Phenoxy PK™HP-200 is a micronized powder-grade Phenoxy resin. 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. Phenoxy PK™HP-200 provides for ease of incorporation into liquid resins due to its high surface area; recommended levels of Phenoxy PK™HP-200 incorporated into epoxy resins are 5 to 25% depending on the desired mix viscosity.																			
<b>Key data</b>	<b>Specified key data</b> <table> <tr> <td><b>Appearance</b></td><td colspan="2"><b>White Powder</b></td></tr> <tr> <td><b>Non-Volatiles</b></td><td><b>98-100</b></td><td><b>[%]</b></td></tr> <tr> <td><b>Viscosity @ 25 °C; (20% solution in cyclohexanone)</b></td><td><b>475-715</b></td><td><b>[mPa s]</b></td></tr> <tr> <td><b>Color (20% solution in cyclohexanone, max.)</b></td><td><b>200</b></td><td><b>[APHA]</b></td></tr> <tr> <td><b>Haze, (20% solution in cyclohexanone, max.)</b></td><td><b>15</b></td><td><b>[%]</b></td></tr> <tr> <td><b>Particle Size (D-100)</b></td><td><b>0 - 550</b></td><td><b>[µm]</b></td></tr> </table> Specified key data are individually checked throughout and guaranteed.		<b>Appearance</b>	<b>White Powder</b>		<b>Non-Volatiles</b>	<b>98-100</b>	<b>[%]</b>	<b>Viscosity @ 25 °C; (20% solution in cyclohexanone)</b>	<b>475-715</b>	<b>[mPa s]</b>	<b>Color (20% solution in cyclohexanone, max.)</b>	<b>200</b>	<b>[APHA]</b>	<b>Haze, (20% solution in cyclohexanone, max.)</b>	<b>15</b>	<b>[%]</b>	<b>Particle Size (D-100)</b>	<b>0 - 550</b>	<b>[µm]</b>
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<sup>#</sup> 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.

<b>Storage</b>	Phenoxy PK™HP-200 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.
<b>Handling precautions</b>	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](http://www.huntsman.com/advanced_materials)  
Email: [advanced\\_materials@huntsman.com](mailto:advanced_materials@huntsman.com)



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