

TECHNICAL DATA SHEET



HP series™ HM200

Hot-melt Adhesive HDPE Powder for Interlining

CHARACTERISTICS

- Excellent Adhesive Strength
- Rounded Particle Shape
- Homogenous Particle Distribution
- Excellent Resistance to Chemicals

APPLICATIONS

- Interlining fabrics for men's and women's outerwear
- Toe puffs, shoe inlays and soles
- Automotive textiles for interior trim and seats
- Technical building and insulating textiles

CUSTOMIZE

- Particle Size
- Narrow Cut Particle Size Distribution
- Melt Index (20, 40, 80)

Description

HP series™ HM200 melts and bonds under heat. The high melting point provides superior heat resistance. HP series™ HM200 is manufactured using TWO H Chem's proprietary process technology to meet special requirements for coating of modern textile interlining, particularly for paste coating

| Property | Test Method | Unit | Test Value |
|---|--|---|---------------|
| Melt Index (190 ℃ / 2.16kg) | ISO 1133 ASTM D 1238 | g/10 min | 20.0 |
| Density | ISO 1183-3 ASTM D 1505 | g/cm ³ | 0.955 |
| Melting Point (DSC) | ISO 3146 ASTM D 3418 | ℃ | 132 |
| Mean Average Volume Weighted Particle Size | Laser Diffraction | μm | 120 ~ 160 |
| Maximum Particle Size | Sieve Test | Mesh / μm | 60 / 250 Pass |
| Powder Bulk Density | ISO 60 ASTM D1895 | g/cm ³ lb/ft ³ | 0.49 30.5 |
| Tensile Strength | ASTM D 638 | kg/cm ² | > 300 |
| Elongation | ASTM D 638 | % | > 600 |
| Visual Appearance | Naturally White Powder | | |
| Packaging | 50 lb PP Woven Kraft Paper Bag/ PE Inner Bag | | |

The product described herein is manufactured by TWO H Chem Ltd.
HP series™ is a trademark of TWO H Chem Ltd. The above data and results obtained are average values from laboratory testing and are not to be construed as specifications.

North American Sales and Distribution



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TWO H Chem Ltd.

Polymer Powders,
Specialty Compounds,
Functional Films

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Safety and Handling Considerations

Material Safety Data (MSD) sheets for are available from TWO H Chem Ltd. and its distributors. MSD sheets are provided to help customers satisfy their own handling, safety, and disposal needs, and those that may be required by locally applicable health and safety regulations, such as OSHA (U.S.A.), or WHMIS (Canada). MSD sheets are updated regularly; therefore, please request and review the most current MSD sheets before handling or using any product. All users of our products are urged to retain and use the MSDS. The following comments apply only to materials which are used unmodified and processed according to good manufacturing practices; additives, processing aids or other materials used in formulating, fabrication and/or finishing steps have their own safe-use profile and must be investigated separately.

WARNING: Polymer dust particles in the atmosphere are combustible and present a potential explosion hazard. Prevent dust accumulations and dust clouds. Dust layers can be ignited by spontaneous combustion or other ignition sources. Keep away from heat, sparks, flame and all other ignition sources. Keep container closed. Clean up dust accumulations. For proper safety of personnel and property, the container should be emptied in compliance with NFPA 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries." Processes using spray application or fluidized bed operation should be in accordance with NFPA 33, "Standard for Spray Application Using Flammable and Combustible Materials." Exercise caution when dispensing this product in or around combustible environments as the possible occurrence of a static discharge could ignite dust or vapors and cause a fire or explosion. Evaluate the need for grounding of equipment and container. Modification or use of the product in a way that enhances the dispersion of the particles in the atmosphere could significantly increase the potential for an explosion.

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