

TECHNICAL DATA SHEET



NOVACOM™ HFS2100

Maleic Anhydride Grafted High Density Polyethylene (HDPE)

CHARACTERISTICS

- High Polar Content
- Excellent Compatibilizer
- Chemical Resistance

APPLICATIONS

- Compounding
- Mixed Plastic Recycle

CUSTOMIZE

- Maleic Anhydride Content

Description

NOVACOM™ HFS2100 is a maleic anhydride (MAH) grafted high density polyethylene (HDPE) polymer in pellet form. These polar materials have been specifically designed to provide adhesion to inorganic fillers or additives, wood and paper fiber, glass, EVOH, Nylon and other materials. Primary markets for these materials are plastics compounding and mixed plastic recycle industries as a compatibilizer.

Property	Test Method	Unit	Test Value
Melt Index (190 °C / 2.16kg)	ISO 1133 ASTM D1238	g/10 min	25.0
Density	ISO 1183-3 ASTM D1505	g/cm ³	0.950
Melting Point (DSC)	ISO 3146 ASTM D3418	°C	130
Vicat Softening Point	ASTM D1525	°C	122
Maleic Anhydride Content	FTIR	%	1.0
Shore D Hardness	ISO 868 ASTM D2240		68
Visual Appearance	Naturally White Pellet		
Packaging	50 lb PP Woven Kraft Paper Bag/ PE Inner Bag		

The product described herein is manufactured by TWO H Chem Ltd. NOVACOM™ 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.

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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.

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