

## **NOVA™ AP150**

**Maleic Anhydride Modified Polyethylene  
for Steel Pipe and Aluminium Composite Pipe**

### **CHARACTERISTICS**

- **Advanced adhesion to substrates**
- **Excellent adhesive durability**
- **Maintain polyethylene property**
- **Compatible with polyethylene and good processibility**

### **APPLICATIONS**

- **Advanced adhesive resin for steel pipe & aluminum composite pipe**
- **Co-extrusion of polyethylene with steel, aluminium and other plastic materials which need a chemical resistance**

### **Description**

NOVA™ AP150 is especially suitable for multi-layer pipe and co-extrusion of polyethylene with steel, aluminium and other materials. Polyethylene based resin by TWO H Chem, NOVA™ AP150 has an advanced functional monomer to improve adhesion strength.

Property	Test Method	Unit	Test Value
Melt Index (190℃ / 2.16kg)	ISO 1133 ASTM D1238	g/10 min	3.0
Density	ISO 1183-3 ASTM D1505	g/cm <sup>3</sup>	0.932
Melting Point (DSC)	ISO 3146 ASTM D3418	℃	125
Vicat Softening Point	ASTM D1525	℃	101
Tensile Strength	ASTM D638	kg/cm <sup>2</sup>	220
Elongation	ASTM D638	%	> 700
Adhesion Strength (to AL Plate)	TWO H Method	kg/2.5cm	> 15
Visual Appearance	Naturally White Pellet		
Packaging	25 Kg PP woven Kraft paper bag/ PE inner bag		

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

**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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