

NOVA™ SPA2545-6

Maleic Anhydride Modified Polypropylene for Steel Composite Pipe

CHARACTERISTICS

- **Advanced adhesion to substrates**
- **Excellent adhesive durability**
- **Maintain polypropylene property**
- **Compatible with filler and other materials and good processibility**

APPLICATIONS

- **Advanced adhesive resin for steel composited co-extrusion pipe**
- **Co-extrusion of polypropylene with steel and other plastic materials, which need a chemical resistance. Especially, multi-layer pipe as oil and gas pipe application**

Description

NOVA™ SPA2545-6 is especially suitable for multi-layer steel pipe coating systems. NOVA™ SPA2545-6 operating temperature is up to 110℃ depending on surrounding conditions. Polypropylene based adhesive resin developed by TWO H Chem, NOVA™ SPA2545-6 has easy processability, advanced adhesion strength and long durability.

Property	Test Method	Unit	Test Value
Melt Index (230℃ / 2.16kg)	ISO 1133	g/10 min	8.5
Density	ISO 1183	g/cm ³	0.89
Vicat Softening Point A50 (10N)	ISO 306	℃	140
Tensile Strength	ISO 527	MPa	20
Elongation	ISO 527	%	> 500
Charpy Impact Strength (Notched, -20℃)	ISO 179	kJ/m ²	4
Moisture Content	ISO 15512	%	< 0.1
Peel Strength (3layer, 23℃)	ISO 21809-1	N/mm	> 25
Peel Strength (3layer, 110℃)	ISO 21809-1	N/mm	> 4
Visual Appearance	Naturally White Pellet		
Packaging	25 Kg PP Woven Kraft Paper Bag/ PE Inner Bag		

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Processing Guide (Extrusion average condition)

- 1) Screw : 160 ~ 230℃
 - 2) Head : 200 ~ 230℃
 - 3) Die : 200 ~ 230℃
- ※ Surface temperature of steel pipe : 190 ~ 210℃

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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