

## NOVA Chemicals Novapol® TE-0546-GBK Hexene MDPE Extrusion Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

### Material Notes:

Very good impact, Excellent ESCR, Sub 50 mesh particles size  
 Applications: Powder coating of pipes, valves, and fittings to produce a corrosion-resistant coating for buried pipe systems  
 Additives: Antioxidants and processing stabilizers, UV stabilizers, Carbon black  
 Information provided by NOVA Chemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-TE-0546-GBK-Hexene-MDPE-Extrusion-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TE-0546-GBK-Hexene-MDPE-Extrusion-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	Base Resin; ASTM D792
	0.946 g/cc	0.0342 lb/in <sup>3</sup>	Compounded; ASTM D792
Water Absorption	0.010 %	0.010 %	ASTM D570
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F<sub>50</sub>; Condition B, 100% Igepal; ASTM D1693
Oxidative Induction Time (OIT)	10 min	10 min	Condition 220°C, in oxygen environment; ASTM D3895
Melt Flow	5.1 g/10 min @Load 2.16 kg, Temperature 190 °C	5.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	18.0 MPa	2610 psi	Extension rate 2 in/min; ASTM D638
Elongation at Break	800 %	800 %	Extension rate 2 in/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	261 °F	ASTM D3417
Vicat Softening Point	111 °C	232 °F	ASTM D1525
Brittleness Temperature	<= -100 °C	<= -148 °F	ASTM D746

Descriptive Properties	Value	Comments
Filler %	2.5	Carbon Black per ASTM D4218

Contact Songhan Plastic Technology Co.,Ltd.

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**