

## Entec Hypel® PEHD18/.956 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

### Material Notes:

Entec's proprietary products include a full range of compounds in the Nylon 6/6, Nylon 6, ABS, PBT, Polycarbonate, PC/ABS, PC/ASA, PC/PBT, and PPO/PPE resin families. Information provided by Entec.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Entec-Hypel-PEHD18956-HDPE.php](http://www.lookpolymers.com/polymer_Entec-Hypel-PEHD18956-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D792
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 190 °C	18 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.6 MPa	4000 psi	ASTM D638
Tensile Strength, Yield	29.0 MPa	4210 psi	ASTM D638
Elongation at Yield	7.7 %	7.7 %	ASTM D638
Flexural Modulus	1.15 GPa	167 ksi	2% Secant; ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	Unannealed (0.250 in); ASTM D648
Vicat Softening Point	125 °C	257 °F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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