

## ExxonMobil HDPE HD 9830.02 High Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

**Material Notes:**

**Product Description:** HD 9830.02 is a blow molding grade high density polyethylene copolymer with a bimodal molecular weight distribution. It provides a very good balance of stress crack resistance, stiffness and impact strength with excellent processability due to its next generation branched structure. **Availability:** Latin America, North America and South America **Additive:** Thermal Stabilizer: Yes **Antistatic:** No **UV Stabilizer:** No **Applications:** Blow Molding Drainage Pipes Personal Care Sheet Extrusion Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-HDPE-HD-983002-High-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-HDPE-HD-983002-High-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D4883
ESCR 100% Igepal®	370 hour	370 hour	F50; ASTM D1963A
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM D638
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790B
Tensile Impact Strength	273 kJ/m <sup>2</sup>	130 ft-lb/in <sup>2</sup>	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	<= 261 °C	<= 502 °F	Peak Melting Point; ExxonMobil method
Vicat Softening Point	127 °C	261 °F	ASTM D1525
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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