

## Global S-5000 High Density Polyethylene

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

**Material Notes:**

Description-good for monofilament Applications-ropes, fishing net, agricultural net and sports net  
Information provided by Global Polymers Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Global-S-5000-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Global-S-5000-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
Environmental Stress Crack Resistance	30 hour	30 hour	ASTM D1693
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength, Ultimate	38.2 MPa	5550 psi	ASTM D638
Tensile Strength, Yield	25.5 MPa	3700 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.785 GPa	114 ksi	Olsen Stiffness; ASTM D747
Izod Impact, Notched	1.96 J/cm	3.67 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ASTM D2117
Vicat Softening Point	126 °C	259 °F	ASTM D1525

## 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