

## Braskem HE150 HDPE Monofilament Polyethylene Copolymer

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

### Material Notes:

HE150 resin is a high-density polyethylene, copolymer of butene-1, produced by the Spherilene process. It has been specially designed for the monofilament extrusion process and provides a good balance of processability, spinnability, and knotting strength as well as a very low gels amount. It can also be blended with LLDPE to improve blown film stiffness. It contains processing aid and antioxidant additives. Its applications include Raschel, shading and protecting nets, and ropes.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-HE150-HDPE-Monofilament-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Braskem-HE150-HDPE-Monofilament-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 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 at Break	40.0 MPa	5800 psi	ASTM-D638
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM-D638
Flexural Modulus, 1% Secant	1280 MPa	186000 psi	ASTM-D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 °C	169 °F	ASTM-D648
Vicat Softening Point	128 °C @Load 1.02 kg	262 °F @Load 2.25 lb	ASTM-D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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