# Braskem PE HE 150

### High Density Polyethylene

#### Braskem

#### Message:

Description:

HE150 resin is a High Density Polyethylene, copolymer of butene-1, produced by Spherilene process. It has been specially designed for monofilament extrusion process and provides a good balance of processability, spinnability, 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.

Application:

Raschel; shading and protecting nets; ropes.

Additive   Antioxidant     Processing Aid     Features   Antioxidant     Butene Comonomer     Copolymer     Food Contact Acceptable     Goed Processability     High Density     Low (to None) Cadmium Content     Low Gel     Uses     Blending     Monofilaments     Netting     Rope     Agency Ratings     FDA 21 CFR 177.1520     Forms     Pellets     Processing Method     Specific Gravity     Oya     Motinal Value     Muti Mass-Flow Rate (MMR) (190°C/2.16 kg)     1.0   g/10 min     Specific Gravity   0.948     Morinal Value   Unit     Test Method     Durometer Hardness (Shore P.)   62     Compression Modded)   62     Mechanicad   Nominal Value     Usit   Test Method	General Information					
Features   Antioxidant     Butene Comonomer   Copolymer     Copolymer   Food Contact Acceptable     Good Processability   Figh Density     Lister Comonomer   Copolymer     Versity   Low (to None) Cadmium Content     Low Gel   Comonomer     Versity   Blending     Monofilaments   Netting     Rope   Pole Strusion     Processing Method   Coextrusion     Processing Method   Coextrusion     Specific Gravity   048     Specific Gravity   048     Mominal Value   Unit     Methods-Flow Rate (MFR) (190°C/2-16 Kg)   10     Mominal Value   Unit   Test Method     Durometer Hardness (Shore P, Compression Melded)   Scalact   Scalact	Additive	Antioxidant				
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Compression Molded) 62 ASTM D2240						
Mechanical Nominal Value Unit Test Method		62		ASTM D2240		
	Mechanical	Nominal Value	Unit	Test Method		

Tensile Strength			ASTM D638
Yield, Compression Molded	28.0	MPa	
Break, Compression Molded	40.0	MPa	
Flexural Modulus - 1% Secant			
(Compression Molded)	1280	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45			
MPa, Unannealed, Compression Molded)	76.0	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525 <sup>1</sup>
NOTE			
	Loading 1 (10 N)		

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