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.

General Information	
Additive	Antioxidant Processing Aid
Features	Antioxidant Butene Comonomer Copolymer Food Contact Acceptable Good 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	Coextrusion Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	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 [1]

NOTE	
1.	Loading 1 (10 N)

Recommended distributors for this material

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