

Braskem PE SHE150

High Density Polyethylene

Braskem

Message:

SHE150 resin is a High Density Polyethylene, copolymer of butene-1. 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. The minimum biobased content of this grade is 94%, determined according to ASTM D6866.

Application:

Raschel; shading and protecting nets; ropes.

General Information			
Additive	Antioxidant		
	Processing Aid		
Features	Antioxidant		
	BPA Free		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Low Gel		
	Renewable Resource Content		
Uses	Blending		
	Monofilaments		
	Netting		
	Rope		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	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
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 94	%	ASTM D6866
NOTE			
1.	Loading 1 (10 N)		

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