

Braskem PE SHE150

High Density Polyethylene

Braskem

Message:

Description:
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	Processing aid		
	Antioxidation		
Features	Low speed solidification crystal point		
	Copolymer		
	Antioxidation		
	Updatable resources		
	Workability, good		
	Good processing stability		
	Compliance of Food Exposure		
Uses	Rope		
	Web		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	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, molding	28.0	MPa	ASTM D638
Fracture, molding	40.0	MPa	ASTM D638
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. 压力1 (10N)

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