

Overview

SHE150 resin is a High Density Polyethylene that 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 an oxidant additives. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Applications

- Film, Ropes, Shading nets, Raschel

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	1	g/10 min	D 1238
Density (g/cm ³)	0.948	g/cm ³	D 792
Tensile Strength at Yield (a)	28	MPa	D 638
Tensile Strength at Break (a)	40	MPa	D 638
Flexural Modulus - 1% Secant (b)	1280	MPa	D 2240
Shore D Hardness (c)	62	-	D 2240
Deflection Temperature under Load at 0.455 MPa (b)	76	°C	D 648
Vicat Softening Temperature at 10 N (b)	128	°C	D 1525

Producer: Braskem

1 Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break. Final Remarks: 1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product. 2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area. 3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS. 4. The mentioned values in this report can be changed at any moment without Braskem previous communication.