

Overview

SLH218 is a LLDPE Hexene copolymer produced by Braskem. It shows a good balance between optical properties, mechanical properties (Mainly stretchability), sealability and processability. Very low gel contained. The minimum biobased carbon content of this grade is 84%, determined according to ASTM D6866.

Applications

- Blends with HDPE, Stretch Films, Medium voltage XLPE insulation, Liners, Flexible Packaging (Cast Films), Blends with LDPE, General use packing, Blends for irrigation pipes, Low voltage XLPE insulation, Wire insulation

Property	Value	Unit	ASTM
Melt index (condition 230°C/2.16 kg)	2.3	g/10 min	D 1238
Density (g/cm ³)	0.916	g/cm ³	D 792
Highlight - UI mate Test (1)(2)	400	%	D 4649
Highlight - Puncture (1)(2)	2.6	kg	D 4649
Highlight - Reten on Maximum Force (1)(2)	3.1	kg	D 4649
Highlight - Reten on Ending Force (1)(2)	2	kg	D 4649
Highlight - Reten on Loss (1)(2)	35	%	D 4649
Highlight - Cling (1)(2)	29	g	D 4649
Highlight - Unwind Force (1)(2)	3.7	kgf	D 4649
Highlight - Sond level (1)(2)	73	dB	D 4649
Highlight - Elonga on Force (1)(2)	34	kgf	D 4649
Haze	3	%	D 1003
Gloss - Angle 45o	95	%	D 2457
Tensile Strength at Break (MD/TD)	40/40	MPa	D 882

Property	Value	Unit	ASTM
Elongation at Break (MD/TD)	1170/1500	%	D 882
Tensile Modulus - 1% Secant (MD/TD)	210/240	MPa	D 882
Dart Drop Impact	110	g/F50	D 1709
Elmendorf Tear Strength (MD/TD)	240/520	gF	D 1922

Producer: Braskem

(1) 23µm thickness film, processed in a 3 layer coextruder (2) Highlight tested at 300%. (a) Film with 38 microns produce in a 40mm extruder and a blow-up ratio of 2.2:1. (MD = extrusion direction and TD = transversal direction).
 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.