

**Braskem Flexus® 9211 LLDPE Blow Film Extrusion Polyethylene Copolymer**

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Hexene, Film Grade

**Material Notes:**

Braskem Flexus 9211 is a LLDPE hexene copolymer produced through a metallocene catalyst, which presents excellent impact and puncture strength beyond a differential sealing performance compared with another typical LLDPE. It contains medium slip, medium blocking, and medium level processing aid additives. Its applications include: automatic packaging (FFS), multilayer packaging films, and films for lamination.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-Flexus-9211-LLDPE-Blow-Film-Extrusion-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Braskem-Flexus-9211-LLDPE-Blow-Film-Extrusion-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	850 %	850 %	ASTM-D882
Film Elongation at Break, TD	840 %	840 %	ASTM-D882
Elmendorf Tear Strength MD	230 g	230 g	ASTM-D1922
Elmendorf Tear Strength TD	790 g	790 g	ASTM-D1922
Dart Drop Test	>= 850 g	>= 1.87 lb	ASTM-D1709
Film Tensile Strength at Break, MD	35.0 MPa	5080 psi	ASTM-D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM-D882
1% Secant Modulus, MD	150 MPa	21800 psi	ASTM-D882
1% Secant Modulus, TD	160 MPa	23200 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM-D1003
Gloss	84 %	84 %	Angle 60°; ASTM-D2457

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