

Braskem Flexus® 9210 LLDPE Blown Film Extrusion (discontinued **)

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

Material Notes:

25µm film gauge, obtained in 40mm extruder, with blow up ratio 2, 2:1 Applications: Automatic packaging (FFS); multilayer packaging films; films for lamination. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Flexus-9210-LLDPE-Blown-Film-Extrusion-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	
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 Tensile Strength at Yield, MD	44.0 MPa	6380 psi	ASTM D882
Film Tensile Strength at Yield, TD	46.0 MPa	6670 psi	ASTM D882
Film Elongation at Break, MD	870 %	870 %	ASTM D882
Film Elongation at Break, TD	1060 %	1060 %	ASTM D882
Secant Modulus, MD	0.220 GPa	31.9 ksi	1%; ASTM D882
Secant Modulus, TD	0.224 GPa	32.5 ksi	1%; ASTM D882
Coefficient of Friction	0.20	0.20	ASTM D1894
Elmendorf Tear Strength, MD	10.5 g/micron	267 g/mil	ASTM 1922
Elmendorf Tear Strength, TD	17.5 g/micron	445 g/mil	ASTM 1922
Dart Drop	32.8 g/micron	833 g/mil	ASTM D1709
Heat Seal Strength Initiation Temperature	99.0 °C	210 °F	Sealing Initial Temperature

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM D1003
Gloss	13 %	13 %	ASTM D2457

Descriptive Properties	Value	Comments
Additives	Antiblock, Slip, and PPA	
Puncture Strength	30 J/mm	ASTM D5748

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