Braskem PE GM9450F

High Density Polyethylene

Braskem

Message:

HDPE GM 9450 F is a high-density polyethylene, developed for the high molecular weight film extrusion segment produced with bimodal technology. The film produced from this resin has high tenacity and excellent resistance to impact characteristics. This resin has wide molar mass distribution that makes it easier to process.
Application:
Retail bags; perforated rolls; repackaging; geomembranes; bags in general.
Process:
Blown Film Extrusion

General Information	
Features	Food Contact Acceptable
	Good Processability
	High Density
	High Impact Resistance
	High Molecular Weight
	Wide Molecular Weight Distribution
Uses	Bags
	Film
	Geo Membranes
	Packaging
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blown Film
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.952	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	9.3	g/10 min	
190°C/5.0 kg	0.33	g/10 min	
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD : Yield	40.0	MPa	
TD : Yield	30.0	MPa	
MD : Break	40.0	MPa	
TD : Break	50.0	MPa	
Tensile Elongation			ASTM D882

MD : Break	620	%	
TD : Break	680	%	
Dart Drop Impact	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	6.0	g	
TD	60	g	
Seal Initiation Temperature	125	°C	Internal Method

Additional Information	Nominal Value	Unit	Test Method
Puncture Resistance	80.0	J/m	Internal Method

Recommended distributors for this material

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