Braskem PE TX7001

Low Density Polyethylene

Braskem

Message:

TX7001 is a low-density polyethylene (LDPE) with high molecular weight, designed to satisfy those applications that require high mechanical strength and environmental stress cracking resistance (ESCR), together with good processability, proper of branched polyethylene produced by a high-pressure process. TX7001 resin presents an excellent performance in conventional LDPE extruders, granting low energy consumption during the whole process and allowing the production of packaging with a good dimensional uniformity and an excellent surface finishing. This product is identified as PE 115 according to ASTM D-4976-04a standard specification.

General Information	
Features	Good Dimensional Stability Good Processability Good Surface Finish High ESCR (Stress Crack Resist.) High Molecular Weight
Uses	Agricultural Applications Film Heavy-duty Bags Industrial Applications Packaging
Agency Ratings	ASTM D 4976-PE115
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.14	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
Secant Modulus			ASTM D882
2% Secant, MD : 50 µm, Blown Film	150	MPa	
2% Secant, TD : 50 µm, Blown Film	170	MPa	
Tensile Strength			ASTM D882
MD : Break, 50 µm,Blown Film	30.0	MPa	
TD : Break, 50 µm,Blown Film	25.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm,Blown Film	360	%	
TD : Break, 50 µm,Blown Film	740	%	

Dart Drop Impact (50 µm, Blown Film)	200	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm, Blown Film	180	g	
TD : 50 µm, Blown Film	200	g	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
45°, 50.0 µm, Blown Film	33		
60°, 50.0 µm, Blown Film	53		
Haze (50.0 µm, Blown Film)	19	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	170 to 225	°C	

Recommended distributors for this material

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