

# Trithene® CX 7065

Low Density Polyethylene

Petroquímica Triunfo

## Message:

Trithene®CX 7065 is a low density polyethylene material. This product is available in Latin America and is processed by extrusion coating. Trithene®The main characteristics of CX 7065 are: contact with food.

Typical application areas include:

application of coating

food contact applications

General Information			
Features	Compliance of Food Exposure		
Uses	Coating application		
	Paper coating		
Agency Ratings	ANVISA n°105/99		
	ASTM D 1248, I, Class A, Cat. 3		
	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	9.50	MPa	ASTM D638
Fracture, molding	8.50	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	300	%	ASTM D638
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
5% secant, MD: 50 µm, blown film	87.0	MPa	ASTM D882
5% secant, TD: 50 µm, blown film	95.0	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 50 µm, blown film	16.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	14.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	300	%	ASTM D882
TD: Broken, 50 µm, blown film	350	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	120	g	ASTM D1709A

Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	370	g	ASTM D1922
TD: 50 µm, blown film	240	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ASTM D1525
Melting Temperature	110	°C	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 50.0 µm, Blown Film)	68		ASTM D2457
Haze (50.0 µm, Blown Film)	12	%	ASTM D1003

#### Additional Information

Film properties taken from 50 µm blown film produced on a 50 mm extruder, L/D=25, die gap=1 mm, BUR=2.3:1 Melt Mass-Flow Rate, ASTM D1238, 190°C/2.16 kg: 5.8 to 7.2 g/10 min Density, ASTM D1505: 0.916 to 0.920 g/cm<sup>3</sup>

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	190 - 210	°C
Cylinder Zone 2 Temp.	220 - 270	°C
Cylinder Zone 3 Temp.	260 - 330	°C
Adapter Temperature	290 - 330	°C

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#### Recommended distributors for this material

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