

# Trithene® SX 7010

Low Density Polyethylene

Petroquímica Triunfo

## Message:

Trithene®SX 7010 is a low density polyethylene material. This product is available in Latin America and is processed by blow molding.

Trithene®The main features of SX 7010 are:

chemical resistance

High resistance to environmental stress fracture (ESCR)

Good processability

accessible food

Typical application areas include:

bottle

food contact applications

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Solvent resistance		
	Workability, good		
	Good chemical resistance		
	Compliance of Food Exposure		
Uses	Bottle		
Agency Ratings	ANVISA n°105/99		
	ASTM D 1248, I, Class A, Cat. 4		
	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	93		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 5% Secant (Compression Molded)	128	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, molding	10.0	MPa	ASTM D638
Fracture, molding	12.5	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	500	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	91.0	°C	ASTM D1525
Melting Temperature	111	°C	
Additional Information			
Melt Mass-Flow Rate, ASTM D1238, 190°C/2.16 kg: 0.80 to 1.20 g/10 minDensity, ASTM D1505: 0.921 to 0.924 g/cm <sup>3</sup>			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	165 - 175	°C	
Mold Temperature	15.0	°C	
Injection instructions			

Processing parameters are for blow molding.

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#### Recommended distributors for this material

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