

Trithene® JX 7065

Low Density Polyethylene

Petroquímica Triunfo

Message:

Trithene® JX 7065 is a low density polyethylene material. This product is available in Latin America and is processed by injection molding.

Trithene® The main features of JX 7065 are:

High resistance to environmental stress fracture (ESCR)

Good processability

accessible food

Good flexibility

Impact resistance

Typical application areas include:

Consumer goods

food contact applications

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Impact resistance, good		
	Workability, good		
	Good flexibility		
	Compliance of Food Exposure		
	Medium wide molecular weight distribution		
Uses	Toys		
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	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	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
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ASTM D1525
Melting Temperature	110	°C	
CLTE - Flow	2.3E-4	cm/cm/°C	ASTM D696

Thermal Conductivity	0.30	W/m/K	ASTM C177
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity			ASTM D3835
190°C, 300 sec ⁻¹	217	Pa·s	ASTM D3835
190°C, 1000 sec ⁻¹	111	Pa·s	ASTM D3835
190°C, 3000 sec ⁻¹	57.0	Pa·s	ASTM D3835
Additional Information			
Melt Mass-Flow Rate, ASTM D1238, 190°C/2.16 kg: 5.0 to 8.0 g/10 minDensity, ASTM D1505: 0.916 to 0.920 g/cm ³			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 280	°C	
Mold Temperature	30.0 - 50.0	°C	

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Recommended distributors for this material

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