

Petroquimica Triunfo Trithene® JX 7065 LDPE - Injection Molding and Master Batch

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

The Trithene® JX 7065 resin is a low-density polyethylene with a wide molecular weight distribution, developed to offer good impact resistance, excellent flexibility, and high resistance to stress cracking. This product presents good processability for a wide range of mold conditions. This product complies with ASTM standard D1248-IA3. Applications: Injection molding of toys and household utensils that need good Environmental Stress Cracking Resistance (ESCR). Production of Master Batch for dyeing and concentrate of additives such as slip agent, anti-block, anti-static, etc. Resin Properties: Compressed molded plate. Method ASTM D-1928, procedure C. Information provided by Dax Resinas

Order this product through the following link:

http://www.lookpolymers.com/polymer_Petroquimica-Triunfo-Trithene-JX-7065-LDPE-Injection-Molding-and-Master-Batch.php

Physical Properties	Metric	English	Comments
Density	0.916 - 0.920 g/cc	0.0331 - 0.0332 lb/in³	ASTM D1505
Viscosity	57 cP	57 cP	ASTM D3835
	@Shear Rate 3000 1/s, Temperature 190 °C	@Shear Rate 3000 1/s, Temperature 374 °F	
	111 cP	111 cP	
	@Shear Rate 1000 1/s, Temperature 190 °C	@Shear Rate 1000 1/s, Temperature 374 °F	ASTM D3835
	217000 cP	217000 cP	
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	
Melt Index of Compound	5.0 - 8.0 g/10 min	5.0 - 8.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.50 MPa	1230 psi	ASTM D638
Tensile Strength, Yield	9.50 MPa	1380 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear	230 µm/m-°C	128 µin/in-°F	dilatation; ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Thermal Properties	0.300 W/m-K Metric	2.08 BTU-in/hr-ft²-°F English	ASTM D177 Comments
Melting Point	110 °C	230 °F	ASTM D3418
Vicat Softening Point	83.0 °C	181 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 280 °C	374 - 536 °F	Injection Molding
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	

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