

CERTENE™ LLI-10030

Linear Low Density Polyethylene
Muehlstein

Message:

LLI-10030 is a certified prime resin specially designed for injection molding applications requiring good low temperature resistance. LLI-10030 features superior processability , excellent low temperature toughness, gloss, and ESCR. LLI-10030 conforms with FDA regulation 21CFR 177.1520 for food contact articles.

General Information			
Features	Low density		
	Low temperature strength		
	Low Temperature Flexibility		
	High ESCR (Stress Cracking Resistance)		
	Highlight		
	Workability, good		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	100	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	7.58	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	75	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	130	kJ/m²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-38.0	°C	ASTM D746
Additional Information			
All test specimens were compression molded according to ASTM D1928 procedure C.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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