

CERTENE™ LDF-722F (IM)

Low Density Polyethylene
Muehlstein

Message:

LDF-722F is a certified prime resin specially designed for INJECTION MOLDING. LDF-722F features excellent combination of processability, flexibility and surface appearance. LDF-722F applications include caps, closures and overcaps. LDF-722F contains high slip and high antiblock. LDF-722F complies with FDA regulation 21CFR 177.1520 (c) 2.2 and most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Additive	High smoothness		
	High caking resistance		
Features	High smoothness		
	High caking resistance		
	Workability, good		
	Good flexibility		
	Compliance of Food Exposure		
	Good appearance		
Uses	Shield		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	< 1.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	43		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.65	MPa	ASTM D638
Fracture	8.27	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus - 2% Secant	234	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength ¹	273	kJ/m ²	ASTM D1822

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746
Additional Information			
Test specimens molded and tested according to ASTM D4976.			
NOTE			
1.	Type S		

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Recommended distributors for this material

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