

CERTENE™ LDI-3524

Low Density Polyethylene

Muehlstein

Message:

LDI-3524 is a certified prime grade designed for High-Flow INJECTION MOLDING applications. LDI-3524 features easy processability, excellent flexibility and warpage resistance. LDI-3524 applications include lids, closures and caps. LDI-3524 complies with FDA regulation 21CFR 177.1520 (c) 2.2 (conditions of use B through H) and most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Bending resistance		
	Workability, good		
	Good flexibility		
	High liquidity		
	Compliance of Food Exposure		
Uses	Cover		
	Shield		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2 1		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	150	%	ASTM D638
Flexural Modulus - Tangent ³	331	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁴	-42.2	°C	ASTM D746A
Vicat Softening Temperature	92.0	°C	ASTM D1525
Additional Information			
Test specimens from compression molded plaque according to ASTM D4703, Procedure C.			
NOTE			
1.	Type 4, 51mm/min		
2.	Type 4, 51mm/min		
3.	13 mm/min		
4.	Type I specimen		

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