

# CERTENE™ LDI-5523

Low Density Polyethylene  
Muehlstein

Message:

LDI-5523 is a certified prime grade designed for High-Flow INJECTION MOLDING applications. LDI-5523 features easy processability, excellent flexibility, good clarity and low warpage. Typical applications for LDI-5523 include lids. LDI-5523 complies with FDA regulation 21CFR 177.1520 (c) 2.1.

General Information			
Features	Low warpage		
	Workability, good		
	Good flexibility		
	High liquidity		
	Definition, high		
	Compliance of Food Exposure		
Uses	Cover		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	55	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus - 2% Secant	331	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°C	ASTM D746
Vicat Softening Temperature	90.0	°C	ASTM D1525
Melting Temperature	110	°C	DSC
Additional Information			

Plaques molded and tested per ASTM D4976.

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