

CERTENE™ LDB-222

Low Density Polyethylene

Muehlstein

Message:

LDB-222 is a certified prime Low Density Homopolymer. LDB-222 offers good impact resistance, flexibility and clarity. Applications include squeeze bottles and flexible toys. LDB-222 complies with FDA regulation 21 CFR 177.1520(c) 2.2, conditions of use B - H per 21 CFR 176.170 (c).

General Information	
Features	Homopolymer Impact resistance, good Good flexibility Definition, high Compliance of Food Exposure
Uses	Squeeze the bottle Toys
Agency Ratings	FDA 21 CFR 176.170(c) Conditions of use B - H FDA 21 CFR 177.1520(c) 2.2
Forms	Particle
Processing Method	Extrusion 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)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	16.5	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Flexural Modulus - Tangent ³	310	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁴	< -75.0	°C	ASTM D746A

Additional Information

Test specimens from compression molded plaque according to ASTM D4703, Procedure C.

NOTE	
1.	Type 4, 50mm/min
2.	Type 4, 50mm/min
3.	Type 4, 13mm/min
4.	Type I specimen

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