

CERTENE™ LDI-2523

Low Density Polyethylene
Muehlstein

Message:

LDI-2523 is a certified prime grade specially designed for Higher Flow INJECTION MOLDING / COMPOUNDING applications requiring good balance of mechanical and low warpage properties. LDI-2523 features easy processability over a wide range of molding conditions, good clarity, excellent flexibility, and high surface appearance of molded articles. LDI-2523 applications include housewares, lids, closures, overcaps, medical parts, and general purpose molded articles. Recommended processing temperature is 170 to 220°C., with mold at 20 to 40°C..

General Information			
Features	Good Flexibility		
	Good Processability		
	Good Surface Finish		
	High Clarity		
	High Flow		
	Low Warpage		
Uses	Closures		
	Household Goods		
	Lids		
	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ² (Break)	100	%	ASTM D638
Flexural Modulus - 1% Secant ³	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	95.0	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Vicat Softening Temperature	85.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	170 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

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Recommended distributors for this material


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