

Lutene® H ME5000

High Density Polyethylene

LG Chem Ltd.

Message:

LUTENE-H ME5000 is mainly intended for injection molding of containers and bottle caps. It has good stress cracking resistance and high impact strength.

Main Applications:

Containers, dust bin, pails and bottle cap for mineral water.

General Information			
Features	Narrow Molecular Weight Distribution		
Uses	Caps		
	Containers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.952	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	735	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (20°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525
Melting Temperature	130	°C	DSC

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