

# Lutene® H ME8000

High Density Polyethylene

LG Chem Ltd.

## Message:

LUTENE-H ME8000 is mainly intended for injection molding of containers. It has good mechanical properties and high productivity.

Main Applications:

Silicone catridge, containers, complicated parts, toys.

General Information			
Features	Narrow Molecular Weight Distribution		
Uses	Containers		
	Engineering Parts		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.957	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (20°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525
Melting Temperature	132	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	10.0 to 60.0	°C	
Injection Rate	Fast		
Back Pressure	0.500 to 15.0	MPa	

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