Lutene® H ME8000

High Density Polyethylene

LG Chem Ltd.

Technical Data

Product Description	
	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			
Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet (English)		
Search for UL Yellow Card	• LG Chem Ltd.		
Availability	• Asia Pacific • Europe	• North America • South America	
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/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 5.0	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (20°C)	59	J/m	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	65		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ASTM D1525
Melting Temperature	133	°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

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.