

Lutene® H ME6000

High Density Polyethylene

LG Chem Ltd.

Message:

LUTENE-H ME6000 is mainly intended for injection molding of crates. It has excellent mechanical properties and high impact strength.

Main Applications:

Transport and stacking crates, bottle crates.

General Information			
Features	Narrow Molecular Weight Distribution		
Uses	Crates		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	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	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (20°C)	78	J/m	ASTM D256
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	

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Recommended distributors for this material

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