

# Daelim Po1y® LH5570

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®LH5570 is a high-density polyethylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Daelim Po1y®The application areas of LH5570 include container and food contact applications.  
Features include:  
Low shrinkage  
high liquidity  
accessible food  
Impact resistance

General Information			
Features	Impact resistance, high		
	High liquidity		
	Compliance of Food Exposure		
	Low shrinkage		
Uses	Barrel		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.018	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Flexural Modulus	932	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Additional Information			
Additional Uses: Silicon CartridgeTensile Elongation @ Brk, ASTM D638: >700%Brittle Temperature, ASTM D746: <-76°C			
Injection	Nominal Value	Unit	

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#### Recommended distributors for this material

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