

# Daelim Po1y® LH-641

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®LH-641 is a high density polyethylene product. It can be processed by rotational molding and is available in the Asia-Pacific region. Daelim Po1y®LH-641 application areas include jars, containers and food contact applications.  
Features include:  
Hard  
Impact resistance

General Information			
Features	Ultra-high impact resistance		
	Rigidity, high		
Uses	Industrial container		
	Water tank		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.941	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 500	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	804	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.00 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	119	°C	ASTM D1525
Additional Information			
Tensile Elongation @ Brk, ASTM D638: >800%			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	

## NOTE

1. 50 mm/min

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## Recommended distributors for this material

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