

Daelim Po1y® LH820

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® LH820 is a high-density polyethylene product. It can be processed by compression molding or injection molding and is available in the Asia-Pacific region. Daelim Po1y® The application areas of LH820 include hat/cap/bottle stopper and food contact applications.

Features include:

high liquidity

accessible food

Impact resistance

odorless/tasteless channel

General Information			
Features	Impact resistance, high High liquidity The smell is low to none Compliance of Food Exposure		
Uses	Shield		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 3 FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Compression molding Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.018	%	ASTM D955
Environmental Stress-Cracking Resistance (F50)	15.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°C	ASTM D746
Additional Information			
Tensile Elongation @ Brk, ASTM D638: >800%Brittle Temperature, ASTM D746: <-76°C			

Injection	Nominal Value	Unit
Processing (Melt) Temp	160 - 240	°C

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