

Daelim Po1y® LD-41

Low Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® LD-41 is a Low Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Food Contact Applications.
Characteristics include:
Good Processability
Low Shrinkage
Warp Resistant

General Information			
Features	Good Processability		
	Low Shrinkage		
	Low Warpage		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 2		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.32	MPa	
Break	11.8	MPa	
Tensile Elongation (Break)	250	%	ASTM D638
Flexural Modulus	127	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Strength			ASTM D882
MD : Break	18.6	MPa	
TD : Break	20.6	MPa	
Dart Drop Impact	840	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ASTM D1525
Injection	Nominal Value	Unit	

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