

Daelim Po1y® LD-05

Low Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®LD-05 is a low density polyethylene product. It is available in the Asia-Pacific region. Daelim Po1y®LD-05 application areas include thin plates, movies, food contact applications and water pipes/pipes/drinking water.

Features include:

Good toughness

Impact resistance

General Information			
Features	Impact resistance, high		
	Good toughness		
	No additive		
Uses	Films		
	Piping system		
	Sheet		
Agency Ratings	ASTM D 1248, I, Class A, Cat. 4		
	FDA 21 CFR 177.1520		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.55	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Strength			ASTM D882
MD: Fracture	23.5	MPa	ASTM D882
TD: Fracture	21.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	440	%	ASTM D882
TD: Fracture	480	%	ASTM D882
Dart Drop Impact	700	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	150	g	ASTM D1922
TD	150	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Haze	11	%	ASTM D1003
Additional Information			

Tear Strength, MD, ASTM D-1004: 105kg/cmTear Strength, TD, ASTM D-1004: 100kg/cm

Injection	Nominal Value	Unit
Processing (Melt) Temp	160 - 190	°C

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