

Daelim Po1y® XP9100

Metallocene Linear Low Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®XP9100 is a metallocene linear low density polyethylene product. It is available in Europe or Asia Pacific. Daelim Po1y®XP9100 applications include bags/linings, wrappers, movies and food contact applications.

Features include:

Good sealing performance

Antiblock software

high gloss

processing aids

Antioxidants

General Information			
Additive	Processing aid		
	Anti-caking agent		
	Antioxidation		
Features	Low extract		
	Low temperature heat sealability		
	Rigid, good		
	Highlight		
	Anti-caking property		
	Antioxidation		
	Good heat sealability		
	Definition, high		
	Good toughness		
Uses	Films		
	Shrinkable film		
	Heavy packing bag		
Agency Ratings		FDA 21 CFR 177.1520	
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Broken, 50 µm, blown film	56.9	MPa	ASTM D882
TD: Broken, 50 µm, blown film	52.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	630	%	ASTM D882

TD: Broken, 50 µm, blown film	650	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	300	g	ASTM D1709A
Seal Initiation Temperature ¹ (50 µm, Blown Film)	118	°C	Internal method
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			ASTM D1004
Lateral flow: 0.0500mm	142	kN/m	ASTM D1004
Traffic: 0.0500mm	137	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	117	°C	ASTM D1525
Peak Melting Temperature	119	°C	ASTM D3418
Optical	Nominal Value		Test Method
Gloss (45°, 50.0 µm, Blown Film)	85		ASTM D2457
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 200	°C	
NOTE			
1.	HGT, 2.8 kg, 0.5 sec		

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