

Daelim Po1y® VL0001EN

Ethylene-based Plastomer

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®VL0001EN is a vinyl plastic product. It is available in Europe or Asia Pacific. Daelim Po1y®VL0001EN application areas include movies, food contact applications and additives/masterbatches.

Features include:

Good sealing performance

processing aids

Antioxidants

Good toughness

Transparency

General Information			
Additive	Processing aid		
	Antioxidation		
Features	Low temperature heat sealability		
	Antioxidation		
	Good heat sealability		
	Definition, high		
	Good toughness		
Uses	Films		
	Plastic modification		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Broken, 50 µm, blown film	45.1	MPa	ASTM D882
TD: Broken, 50 µm, blown film	44.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	590	%	ASTM D882
TD: Broken, 50 µm, blown film	640	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	> 930	g	ASTM D1709B
Seal Initiation Temperature ¹ (50 µm, Blown Film)	92.0	°C	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525

Peak Melting Temperature	95.0	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm, Blown Film)	112		ASTM D2457
Haze (50.0 µm, Blown Film)	3.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 190	°C	
NOTE			
1.	HGT, 2.8 kg, 0.5 sec		

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