

Metallocene Polyethylene Plastomer
DaelimPoly^M

VL0001 Series

Description

Characteristics	▪ Excellent Heat Seal Properties at lower Temperature ▪ Excellent Hot Tack Strength	▪ Excellent Toughness ▪ High Clarity
Applications	▪ Multi-layer Films (Sealant Layer) ▪ High Strength Film	▪ Greenhouse Film ▪ Modifier of Impact Properties
Processing Recommendation	Processing Temperature 150~190°C / BUR 2.0~3.0	
Specification data	Complies with FDA 21 CFR 177.1520	

Physical Properties – Film

Resin Properties	Unit	Test Method	VL0001	VL0001EN
Density	g/cm ³	ASTM D1505	0.900	0.900
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	1.0	1.0
Vicat Softening Temperature	°C	ASTM D1525	86	86
Melting Temperature	°C	ASTM D3418	95	95
Additives	-	-	AO, PPA, AB, S	AO, PPA
Film Properties	Unit	Test Method	VL0001	VL0001EN
Tensile Strength at Break, MD/TD	kg/cm ²	ASTM D882	460/450	460/450
Elongation at Break, MD/TD	%	ASTM D882	590/640	590/640
Dart Impact Strength (B)	gf	ASTM D1709	>930	>930
Haze	%	ASTM D1003	3.2	3.0
Gloss (20°)	-	ASTM D2457	112	112
Seal Initiation Temperature (HGT, 2.8KG, 0.5sec)	°C	Daelim	92	92

1. Film Processing Condition : Φ40mm Blown Film Extruder, 180°C, Film thickness 0.050mm
2. Additives : AO (Antioxidant) , PPA (Polymer Processing Aid), AB (Anti Blocking Agent), S (Slip Agent)
3. These are typical properties only and are not to be construed as specifications.

*NOTICE: Prior to use for any commercial purpose, the customer is fully responsible for determining its suitability for intended application and for ensuring its disposal practices are in compliance with applicable laws and other governmental enactments. DAELIM assumes no obligation or liability in this regard.

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