

Metallocene Polyethylene Plastomer
DaelimPoly^M

VL0003, Sheet

Description

Characteristics	▪ Excellent Tensile Strength ▪ Excellent Impact Strength ▪ Excellent Abrasion Resistance	▪ Excellent Thermal Resistance ▪ Lower Density Than EVA ▪ Enhanced Extrusion processability (No Odor/Discoloration)
Applications	▪ Water-Proof Sheet ▪ Hoses (Vacuum Cleaner, Refrigerator)	▪ Modifier of Impact Properties
Processing Recommendation	Processing Temperature 180 ~ 250°C	
Specification data	Complies with FDA 21 CFR 177.1520	

Physical Properties – Sheet

Resin Properties	Unit	Test Method	VL0003
Density	g/cm ³	ASTM D1505	0.900
Melt Index (190°C, 2.16 kg)	g/10min	ASTM D1238	3.0
Vicat Softening Temperature	°C	ASTM D1525	82
Melting Temperature	°C	ASTM D3418	91
Additives	-		AO
Sheet Properties	Unit	Test Method	VL0003
Tensile Strength at Break, MD/TD	kg/cm ²	ASTM D638	315/345
Elongation at Break, MD/TD	%	ASTM D638	750/840
Flexural Modulus	kg/cm ²	ASTM D790	750
Tear Strength, MD/TD	kg/cm	ASTM D1004	72/70
Hardness (Shore A)	-	ASTM D2240	86

1. Sheet Processing Condition : Φ65mm Sheet Extruder, Processing Temp. 190°C, Thickness 1.2mm
2. Additives : AO(Antioxidant)
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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