

Metallocene Polyethylene Plastomer
DaelimPoly^M

VL0003, Shoe Sole

Description

Characteristics	▪ Excellent tensile strength ▪ Very high tear strength ▪ Excellent abrasion resistance ▪ Enhanced processibility (No Odor / Discoloration) ▪ Excellent thermal resistance ▪ Low melting Temperature ▪ Lower density than EVA
Applications	▪ Shoe Sole (IP, IU)
Processing Recommendation	Processing Temperature 90 ~ 100°C
Specification data	Complies with FDA 21 CFR 177.1520

Physical Properties – Shoe Sole

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	86 / 97
Additives	-		AO
Sheet Properties	Unit	Test Method	VL0003
Tensile Strength at Break	kg/cm ²	ASTM D638	310
Elongation at Break	%	ASTM D638	800
Flexural Modulus	kg/cm ²	ASTM D790	700
Tear Strength	kg/cm	ASTM D624	75
Hardness (Shore A/D)	-	ASTM D2240	86 / 40

1. Physical properties reported herein were determined on compression molded specimens prepared in accordance with ASTM D4703
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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