

Daelim Po1y® VL0003 Sheet

Ethylene-based Plastomer

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®VL0003 Sheet is a vinyl plastic product. It is available in Europe or Asia Pacific. Daelim Po1y®The application areas of VL0003 Sheet include sheets, hoses, food contact applications and additives/masterbatches.

Features include:

Good processability

Antioxidants

Impact resistance

Wear-resistant

General Information			
Additive	Antioxidation		
Features	Low density		
	Antioxidation		
	Impact resistance, good		
	Workability, good		
	Good wear resistance		
Uses	Pipe		
	Sheet		
	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)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 1.20mm, Extruded Sheet)	86		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Flow: fracture, 1.20mm, Extruded Sheet	30.9	MPa	ASTM D638
Transverse flow: fracture, 1.20mm, Extruded Sheet	33.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Flow: fracture, 1.20mm, Extruded Sheet	750	%	ASTM D638
Transverse flow: fracture, 1.20mm, Extruded Sheet	840	%	ASTM D638
Flexural Modulus (1.20 mm, Extruded Sheet)	73.5	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method

Tear Strength			ASTM D1004
Transverse flow: 1.20mm	68.6	kN/m	ASTM D1004
Flow: 1.20mm	70.6	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	82.0	°C	ASTM D1525
Peak Melting Temperature	91.0	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 250	°C	

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