

Polymer-E EV103

Ethylene Vinyl Acetate Copolymer

Asia Polymer Corporation (APC)

Message:

Polymer-E EV103 is an Ethylene Vinyl Acetate Copolymer (EVA) product. It can be processed by extrusion or foam processing and is available in Asia Pacific. Applications of Polymer-E EV103 include consumer goods, foam and sporting goods. Primary characteristic: good processability.

General Information	
Features	Good Processability
Uses	Foam
	Footwear
	Sporting Goods
Processing Method	Extrusion
	Foam Processing

Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Vinyl Acetate Content	21.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	33		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	21.6	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	38.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	63.0	°C	ASTM D1525
Melting Temperature	79.0	°C	Internal Method

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