

Polymer-E EV305

Ethylene Vinyl Acetate Copolymer

Asia Polymer Corporation (APC)

Message:

Polymer-E EV305 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 EV305 include consumer goods and foam. Primary characteristic: good processability.

General Information			
Features	Good Processability		
Uses	Foam		
	Footwear		
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)	3.0	g/10 min	ASTM D1238
Vinyl Acetate Content	21.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	31		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	720	%	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	60.0	°C	ASTM D1525
Melting Temperature	78.0	°C	Internal Method

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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