

# Polymer-E V18161

Ethylene Vinyl Acetate Copolymer

Asia Polymer Corporation (APC)

Message:

Polymer-E V18161 is an Ethylene Vinyl Acetate Copolymer (EVA) product. It can be processed by casting, coating, or extrusion and is available in Asia Pacific.

Characteristics include:

- Good Adhesion
- Good Aesthetics
- Good Sealability

General Information	
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Features	Good Adhesion
	Low Temperature Heat Sealability
	Opticals

Processing Method	Casting
	Coating
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	Internal Method

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	34		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12.7	MPa	ASTM D638
Tensile Elongation (Break)	760	%	ASTM D638

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	37.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	64.0	°C	ASTM D1525
Melting Temperature	81.0	°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](mailto:sales@su-jiao.com)

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

