

MARPOL® EVA 1820

Ethylene Vinyl Acetate Copolymer

Marco Polo International, Inc.

Message:

MARPOL® EVA 1820 is a high vinyl acetate resin designed for extrusion coating applications. It has excellent heat sealability, high clarity and provides a good balance of drawability and neck-in.

General Information			
Features	Copolymer		
	Heat sealable		
	Definition, high		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	23	g/10 min	ASTM D1238
Vinyl Acetate Content	18.5	wt%	
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	51.0	MPa	ASTM D882
1% secant, TD	55.2	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	21.4	MPa	ASTM D882
TD: Fracture	15.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	530	%	ASTM D882
TD: Fracture	810	%	ASTM D882
Dart Drop Impact	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	240	g	ASTM D1922
TD	330	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.9	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	89		ASTM D2457
Haze	0.90	%	ASTM D1003

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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

