

Ethylene Vinyl Acetate (EVA) and Ethylene Butyl Acrylate (EBA) are widely used functional polymers designed for a variety of industries. The PRIMEVA® EVA and EBANTIX® EBA Copolymers from Repsol have a broad range of melt indices as well as physical properties. Where your applications require softness, toughness, bondability to multiple substrates, adhesive bonding, lower processing temperatures or better cold temperature impact, look to these product lines to enhance your material properties.

## EVA

Grade	%VA	MFI	Density
P0720	7.5	2.0	.926
P1340	12.5	4.0	.931
P1807C	18	0.7	.941
P1807F	18	0.7	.941
P1820C	18	2.0	.937
P1820F	18	2.0	.937
P18010	18	10	.937
P18010C	18	2.0	.937
P1550M	15	5000*	.937
P18150	18	150	.937
P18500	18	500	.937
P20020	20	20	.940
P20020D	20	20	.940
P2430	24	3.0	.944
P2430C	20	3.0	.944
P2735	27	3.5	.953
P2735C	27	3.5	.953
P2870	28	7.0	.950

## EBA

Grade	%BA	MFI	Density
P28025	28	25	.950
P28025S	28	25	.950
P28150	28	150	.950
P28400	28	400	.950
P28045	28	43	.950
P28800	28	800	.946
P2850M	27.5	5000*	.951
P2836M	28	35	.946
P33015	33	15	.956
P33015C	15	2.0	.956
P33025	33	25	.956
P33025C	33	25	.956
P33045	33	45	.956
P33045S	33	45	.956
P33400	33	400	.957
P40055	40	55	.969
E303	3	0.3	.923
E803C	8	0.3	.924
E1240	12	4.0	.925
E1303	13	0.3	.925
E1704	17	0.4	.925
E1715	17	1.5	.926
E1770	17	7.0	.924
E20020	20	20	.925
E27150	27	150	.925

**High flow resins for adhesives, coatings or blends**

**EVA and EBA resins for film or profile extrusion, injection molding, blow molding, foam and compounds**



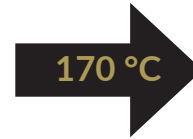
\*Viscosity listed in cP

\*European grades available on special request

\*All EVA and EBA resins are FDA certified for use in food contact applications

## HOT MELT ADHESIVES:

EVA or EBA  
+ Wax  
Tackifier Filler  
Anti-oxidant



Hot melt adhesives are widely used in the graphic arts, book-binding, packaging, textile and furniture industries. PRIMEVA® EVA and EBANTIX® EBA Copolymers offer great adhesion, resistance to thermal degradation, flexibility and low temperature tensile strength.

## WHEN %VA OR %BA INCREASES:

Decrease in...	Increase in...
Stiffness	Impact Strength
Hardness	Elongation at Break
Tensile Strength	ESCR
Melting Point	Elasticity
Softening Point	COF
Chem Resistance	Adhesion
Crystallinity	Low Temp Flexibility
	Polarity
	Compatibility with Fillers

## EBA vs. EVA PROPERTIES:

- Thermal Stability: EBA is more resistant to thermal degradation than EVA (EBA can be processed up to 280 °C if required).
- Low Temperature Behavior: EBA performs better at lower temperatures due to its lower Tg (EBA: -50 °C, EVA: -30 °C).
- Water Absorption: EBA shows lower water absorption at comparable comonomer contents.

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