

ADPOLY EV-500

Ethylene Vinyl Acetate Copolymer

Lotte Chemical Corporation

Message:

EV-500 is EVA based adhesive resin containing anhydride.
This grade shows strong adhesion to PE, EVA, aluminum, and it has polyolefin-like properties.
In addition, its processability is excellent.
EV-500 is mainly intended for use as a adhesive resin in automobile head liner.

General Information			
Features	Good Adhesion		
	Good Processability		
Uses	Adhesives		
	Automotive Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 to 3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	41		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.41	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	314	MPa	ASTM D790
Flexural Strength	10.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	560	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	75.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Adhesion Strength	> 6.00	kgf/2 cm	ASTM D903

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