

Adpoly EV-500

Adhesive Resin

General Information

Description

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.

Applications

- ◆ Aluminum composite panel
- ◆ Automobile headliner

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	2~3	g/10min		
Density	ASTM D792	0.94	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	96	kgf/cm ²	9.4	MPa
Elongation	ASTM D638	> 500	%	> 500	%
Flexural Modulus	ASTM D790	3200	kgf/cm ²	313	MPa
Flexural Strength	ASTM D790	105	kgf/cm ²	10.3	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	57	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	41	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	75	℃		
Additional Properties					
Adhesion Strength	ASTM D903	>6	kgf/2cm		

Note

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications