

Adpoly BP-402

Adhesive Resin

General Information

Description

BP-402 is PP based adhesive resin containing anhydride.

This grade shows strong adhesion to PP, PA, EVOH, aluminum, and it has polyolefin-like properties. In addition, its processability and transparency are excellent.

BP-402 is mainly intended for use as a adhesive resin in multi-layer film and aluminum composite panel.

Applications

- ◆ Multi-layer bottle/tube/film for food & industrial packaging, Aluminum composite panel

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index(at 230°C)	ASTM D1238	7~8	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	150	kgf/cm ²	14	MPa
Elongation	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	5000	kgf/cm ²	490	MPa
Flexural Strength	ASTM D790	170	kgf/cm ²	16	MPa
Notched Izod Impact Strength (23°C)	ASTM D256	60	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	50	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	120	°C		
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