

Adpoly BM-310

Adhesive Resin

General Information

Description

BM-310 is HDPE based adhesive resin containing anhydride.
This grade shows strong adhesion to PE, PA, EVOH, and it has polyolefin-like properties.
In addition, its processability is excellent.
BM-310 is mainly intended for use as a adhesive resin in multi-layer bottle.

Applications

- ◆ Multi-layer bottle for industrial (agrochemical, etc.) packaging

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.25~0.5	g/10min		
Density	ASTM D792	0.94	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	168	kgf/cm ²	16	MPa
Elongation	ASTM D638	> 500	%	> 500	%
Flexural Modulus	ASTM D790	5700	kgf/cm ²	558	MPa
Flexural Strength	ASTM D790	165	kgf/cm ²	16	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	73	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	52	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	100	℃		
Additional Properties					
Adhesion Strength	ASTM D903	>2	kgf/2cm		

Note

ISO 9001, 14001, /TS 16949

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