

Adpoly TU-100

Adhesive Resin

General Information

Description

TU-100 is LDPE based adhesive resin containing anhydride.

This grade shows a strong adhesion to PE, PA, EVOH, and it has polyolefin-like properties.

In addition, its processability is excellent.

TU-100 is mainly intended for use as an adhesive resin in multi-layer bottle.

Applications

- ◆ Multi-layer bottle/sheet for food & cosmetic packaging

Physical Properties¹

General Properties	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	3.4 ~ 4	g/10min		
Density	ASTM D792	0.91	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	93	kgf/cm ²	9,1	MPa
Elongation	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	1100	kgf/cm ²	107	MPa
Flexural Strength	ASTM D790	48	kgf/cm ²	4.7	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	58	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	38	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	78	℃		
Additional Properties					
Adhesion Strength	ASTM D903	>3	kgf/2cm		

Note

ISO 9001, 14001, /TS 16949

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