

Adpoly TU-100D

Adhesive Resin

General Information

Description

TU-100D 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-100D 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	1.8 ~ 2.6	g/10min		
Density	ASTM D792	0.92	g/cm ³		
Mechanical Properties					
Tensile Stress (Yield)	ASTM D638	90	kgf/cm ²	8.8	MPa
Elongation	ASTM D638	>500	%	>500	%
Flexural Modulus	ASTM D790	1500	kgf/cm ²	147	MPa
Flexural Strength	ASTM D790	56	kgf/cm ²	5,5	MPa
Notched Izod Impact Strength (23℃)	ASTM D256	62	kgf·cm/cm	-	J/m
Hardness	ASTM D2240	38	Shore D		
Thermal Properties					
VICAT Softening Point	ASTM D1525	82	℃		
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