

ADPOLY TU-100

Low Density Polyethylene
Lotte Chemical Corporation

Message:

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.

General Information			
Features	Good Adhesion		
	Good Processability		
Uses	Adhesives		
	Bottles		
	Cosmetic Packaging		
	Food Packaging		
	Packaging		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.4 to 4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	38		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.12	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	108	MPa	ASTM D790
Flexural Strength	4.71	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	570	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	Test Method
Adhesion Strength	> 3.00	kgf/2 cm	ASTM D903

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