

Utomer UT10P90A

Thermoplastic Polyurethane Elastomer (Polyester)

Shanghai Utomer Material Science Co., Ltd.

Message:

TYPE: Utomer UT10P90A TPU is a 90A Polyether-type thermoplastic polyurethane (TPU)

Features: Excellent clarity and UV stable with good melt strength.

Uses: Extrusion for film or Compounding.

General Information	
Features	Good Melt Strength
	Good UV Resistance
	High Clarity
Uses	Compounding
	Film
Processing Method	Compounding
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20 to 40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	87 to 93		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	5.00	MPa	
300% Strain	12.0	MPa	
Tensile Strength	30.0	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength	0.0900	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-15.0	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Cylinder Zone 1 Temp.	175	°C	
Cylinder Zone 2 Temp.	185	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	195	°C	
Adapter Temperature	200	°C	

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