

# Utomer UT380

Thermoplastic Polyurethane Elastomer (Polyester)

Shanghai Utomer Material Science Co., Ltd.

Message:

Utomer TPU which include ester and ether type. It's suitable for calendering and extrusion, which are used for shoes and clothing leatherette and compounding with PVC.

General Information	
Uses	Compounding
	Footwear
	Textile Applications

Processing Method	Calendering
	Compounding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78 to 82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	45.0	mm <sup>3</sup>	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	10.0	MPa	
300% Strain	14.0	MPa	
Tensile Strength	30.0	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Tear Strength	0.100	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-15.0	°C	ASTM D3418
Melting Temperature	185 to 200	°C	

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