

Utomer UT1CP95AH

Thermoplastic Polyurethane Elastomer (Polyester)

Shanghai Utomer Material Science Co., Ltd.

Message:

TYPE: Utomer UT1CP95AH TPU is a 95A Polyether-type TPU
Features: Good resistance to hydrolysis performance and UV stable with good melt strength.
Uses: Injection for 3C electronic products or elevator wheel.

General Information			
Features	Good Melt Strength		
	Good UV Resistance		
	Hydrolysis Resistant		
Uses	Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	94 to 98		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	< 45.0	mm³	DIN 53516
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	> 12.0	MPa	
300% Strain	> 20.0	MPa	
Tensile Strength	> 35.0	MPa	ASTM D412
Tensile Elongation (Break)	> 500	%	ASTM D412
Tear Strength	> 0.110	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 70 hr	< 38	%	
70°C, 24 hr	< 45	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-20.0	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Rear Temperature	190	°C	
Middle Temperature	195	°C	
Front Temperature	200	°C	
Nozzle Temperature	205	°C	
Mold Temperature	50.0	°C	

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