

# Wanthane® WHT-1598

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1598 is polyester-based TPU for injection molding applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with excellent strength , resilience, abrasion resistance and short cycle times

Applications:

Shoes, Wheel, Animal Tag, Tube, conveyor belt, Injection Part etc

General Information			
Features	Good Abrasion Resistance		
	Good Processability		
	Good Strength		
	Resilient		
Uses	Belts/Belt Repair		
	Conveyor Parts		
	Footwear		
	Tubing		
	Wheels		
Appearance	Colorless		
	Translucent		
	Transparent - Slight Yellow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	98		
Shore D	61		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	13.0	MPa	
300% Strain	18.0	MPa	
Tensile Strength	32.0	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	142	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method

Glass Transition Temperature	-25.0	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	200	°C	
Middle Temperature	205	°C	
Front Temperature	210	°C	
Nozzle Temperature	215	°C	
Injection Pressure	65.0	MPa	

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#### Recommended distributors for this material

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