

# Wanthane® WHT-1195

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1195 is polyester-based TPU for injection molding and extrusion applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with the characteristic of Plasticizer Free, Excellent strength , resilience and abrasion resistance

Applications:

Shoes, Seals, Tube, Wheel, Injection Part etc

General Information	
Features	Good Abrasion Resistance
	Good Strength
	Resilient
Uses	Footwear
	Seals
	Tubing
	Wheels
Appearance	Colorless
	Translucent
	Transparent - Slight Yellow
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	11.0	MPa	
300% Strain	29.0	MPa	
Tensile Strength	38.0	MPa	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412
Tear Strength	120	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-30.0	°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	70.0	MPa
Extrusion	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0 to 4.0	hr
Cylinder Zone 1 Temp.	195	°C
Cylinder Zone 3 Temp.	205	°C
Cylinder Zone 5 Temp.	210	°C
Die Temperature	210	°C

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#### Recommended distributors for this material

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