

Wanthane® WHT-1595

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1595 is polyester-based TPU for injection molding and extrusion applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with 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 ³	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	13.0	MPa	
300% Strain	28.0	MPa	
Tensile Strength	36.0	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	130	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-27.0	°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
Extrusion	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0 to 4.0	hr
Cylinder Zone 1 Temp.	200	°C
Cylinder Zone 3 Temp.	205	°C
Cylinder Zone 5 Temp.	210	°C
Die Temperature	210	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

