

Wanthane® WHT-1164

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1164 is polyester-based TPU for injection molding applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with Excellent strength and abrasion resistance.

Applications:

Shoes, heel, Injection Parts etc

General Information			
Features	Good Abrasion Resistance		
	Good Strength		
Uses	Footwear		
Appearance	Colorless		
	Translucent		
	Transparent - Slight Yellow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	45.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	21.0	MPa	
300% Strain	36.0	MPa	
Tensile Strength	42.0	MPa	ASTM D412
Tensile Elongation (Break)	370	%	ASTM D412
Tear Strength	220	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-25.0	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	205	°C	
Middle Temperature	210	°C	
Front Temperature	215	°C	

Nozzle Temperature	220	°C
Injection Pressure	75.0	MPa

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

