

Wanthane® WHT-1564

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1564 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:

Shoe heels, Wheel, Tube, wire & cable, Injection Part etc

General Information			
Features	Good Abrasion Resistance		
	Good Processability		
	Good Strength		
	Resilient		
Uses	Footwear		
	Tubing		
	Wheels		
	Wire & Cable Applications		
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)	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	16.0	MPa	
300% Strain	22.0	MPa	
Tensile Strength	32.0	MPa	ASTM D412
Tensile Elongation (Break)	510	%	ASTM D412
Tear Strength	165	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-20.0	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	

Drying Time	2.0 to 3.0	hr
Rear Temperature	203	°C
Middle Temperature	208	°C
Front Temperature	213	°C
Nozzle Temperature	218	°C
Injection Pressure	65.0	MPa

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