

Wanthane® WHT-1172

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1172 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 Part 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	1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	42.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	28.0	MPa	
300% Strain	37.0	MPa	
Tensile Strength	43.0	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	220	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-20.0	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	210	°C	
Middle Temperature	215	°C	
Front Temperature	220	°C	

Nozzle Temperature	225	°C
Injection Pressure	75.0	MPa

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Recommended distributors for this material

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