

Wanthane® WHT-1198

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1198 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, wheel, Injection Part etc

General Information			
Features	Good Abrasion Resistance		
	Good Strength		
Uses	Footwear		
	Wheels		
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 A)	98		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	17.0	MPa	
300% Strain	32.0	MPa	
Tensile Strength	40.0	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	170	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	210	°C	
Front Temperature	215	°C	

Nozzle Temperature	220	°C
Injection Pressure	70.0	MPa

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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

