

Wanthane® WHT-8254

Thermoplastic Polyurethane Elastomer (Polyether)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-8254 is polyether-based TPU, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with the characteristic of Excellent Transparency, Short Cycletime, Easy Stickiness, Hydrolytic Stability, Fungus Resistance, Low Temperature, Flexibility & UV resistance.

Applications:

Transparent profiles like toys etc.

General Information			
Features	Fast Cure		
	Fungus Resistant		
	Good UV Resistance		
	High Clarity		
	Hydrolytically Stable		
	Low Temperature Flexibility		
Uses	Profiles		
	Toys		
	Transparent Parts		
Appearance	Colorless		
	Translucent		
	Transparent - Slight Yellow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	13.0	MPa	
300% Strain	28.0	MPa	
Tensile Strength	30.0	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	110	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-40.0	°C	DSC
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	195	°C
Middle Temperature	200	°C
Front Temperature	205	°C
Nozzle Temperature	210	°C
Injection Pressure	80.0	MPa

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