

# Wanthane® WHT-8285

Thermoplastic Polyurethane Elastomer (Polyether)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-8285 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	1.11	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	7.00	MPa	
300% Strain	12.0	MPa	
Tensile Strength	25.0	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	80.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-45.0	°C	DSC
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 90.0	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	180	°C
Middle Temperature	185	°C
Front Temperature	190	°C
Nozzle Temperature	195	°C
Injection Pressure	70.0	MPa

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#### Recommended distributors for this material

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