

Wanthane® WHT-8280H

Thermoplastic Polyurethane Elastomer (Polyether)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-8280H is polyether-based TPU, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with the characteristic of Excellent Transparency, Short Cycle time, Hydrolytic Stability, Fungus Resistance, Low Temperature, Flexibility & UV resistance.

Applications:

Engineering Parts, Mobile Phone Window, Alternative of Transparent PC, Personal Care & Cosmetics, Toys, etc.

General Information			
Features	Fast Cure		
	Fungus Resistant		
	Good UV Resistance		
	High Clarity		
	Hydrolytically Stable		
	Low Temperature Flexibility		
Uses	Cell Phones		
	Cosmetics		
	Engineered Applications		
	Personal Care		
	Toys		
Appearance	Colorless		
	Translucent		
	Transparent - Slight Yellow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	35.0	MPa	ASTM D412
Tensile Strength	40.0	MPa	ASTM D412
Tensile Elongation (Break)	150	%	ASTM D412
Tear Strength	200	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	

Rear Temperature	205	°C
Middle Temperature	210	°C
Front Temperature	215	°C
Nozzle Temperature	220	°C

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