Wanthane® WHT-8264

Thermoplastic Polyurethane Elastomer (Polyether)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-8264 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			
0363	Toys			
	Transparent Parts			
	Transparent Farts			
Appearance	Colorless			
	Translucent			
	Transparent - Slight Yellow			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Density	1.14	g/cm³	ASTM D792	
Hardness	Nominal Value	Unit	Test Method	
Durometer Hardness (Shore D)	64		ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method	
Tensile Stress			ASTM D412	
100% Strain	24.0	MPa		
300% Strain	32.0	MPa		
Tensile Strength	35.0	MPa	ASTM D412	
Tensile Elongation (Break)	380	%	ASTM D412	
Tear Strength	130	kN/m	ASTM D624	
Thermal	Nominal Value	Unit	Test Method	
Glass Transition Temperature	-35.0	°C	DSC	
Injection	Nominal Value	Unit		

Drying Temperature	90.0 to 100	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	200	°C	
Middle Temperature	205	°C	
Front Temperature	210	°C	
Nozzle Temperature	205	°C	
Injection Pressure	85.0	МРа	

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