

Wanthane® WHT-1495EC

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1495EC is polyester-based TPU for injection molding and extrusion applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with Excellent strength resilience and transparence

Applications:

Air Tube, transparent shoe sole, etc

General Information			
Features	Good Strength		
	High Clarity		
	Resilient		
Uses	Footwear		
	Tubing		
Appearance	Colorless		
	Translucent		
	Transparent - Slight Yellow		
Forms	Pellets		
Processing Method	Extrusion		
	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)	95		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	14.0	MPa	
300% Strain	28.0	MPa	
Tensile Strength	38.0	MPa	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Tear Strength	148	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-25.0	°C	ASTM D3417
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	2.0 to 3.0	hr	

Rear Temperature	190	°C
Middle Temperature	195	°C
Front Temperature	200	°C
Nozzle Temperature	205	°C
Injection Pressure	70.0	MPa
Extrusion	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	3.0 to 4.0	hr
Cylinder Zone 1 Temp.	190	°C
Cylinder Zone 3 Temp.	195	°C
Cylinder Zone 5 Temp.	200	°C
Die Temperature	195	°C

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