

Wanthane® WHT-1495B

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

TYPE: Polyester-based grade Extrusion and injection molding grade
FEATURES: High transparency, good mechanical properties, good extrusion stability
APPLICATIONS: Auto parts, film & sheet, transparent shoe soles, etc

General Information	
Features	Definition, high
Uses	Films
	Sheet
	Application in Automobile Field
	Footwear
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	97		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	15.0	MPa	ASTM D412
300% strain	28.0	MPa	ASTM D412
Tensile Strength (Break)	35.0	MPa	ASTM D412
Tensile Elongation (Break)	440	%	ASTM D412
Tear Strength	170	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.030	%	
Rear Temperature	190	°C	
Middle Temperature	195	°C	
Front Temperature	200	°C	
Nozzle Temperature	205	°C	
Mold Temperature	23	°C	
Screw L/D Ratio	25.0:1.0 to 30.0:1.0		
Screw Compression Ratio	2.0 : 1.0 - 3.0 : 1.0		

Extrusion	Nominal Value	Unit
Drying Temperature	100 - 110	°C
Drying Time	2.0 - 3.0	hr
Suggested Max Moisture	0.030	%
Cylinder Zone 1 Temp.	180	°C
Cylinder Zone 2 Temp.	185	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	195	°C
Adapter Temperature	200	°C
Die Temperature	195	°C

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