

WanBlend® WHT-1170M

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-1170M TPU are polyester-based TPU, supplied in form of natural color, white or black pellets with high tear strength, outstanding abrasion resistance, and low temperature flexibility. Its product has silky matt surface.

Applications:

Extrusion - wire and cable

Extrusion- hose & tube, belt and film & sheet.

General Information			
Features	Good Abrasion Resistance		
	Good Strength		
	Low Temperature Flexibility		
Uses	Belts/Belt Repair		
	Film		
	Hose		
	Sheet		
	Tubing		
	Wire & Cable Applications		
Appearance	Black		
	Natural Color		
	White		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	69 to 75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.90	MPa	
300% Strain	5.10	MPa	
Tensile Strength	18.1	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	54.7	kN/m	ASTM D624
Extrusion	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	

Drying Time	4.0	hr
Cylinder Zone 1 Temp.	155	°C
Cylinder Zone 3 Temp.	165	°C
Cylinder Zone 5 Temp.	175	°C
Die Temperature	165	°C

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