

WanBlend® WHT-8185M

Thermoplastic Polyurethane Elastomer (Polyether)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-8185M TPU are polyether- based TPU, supplied in form of semitransparent or opaque, colorless, white or black pellets with high tear strength, outstanding abrasion resistance, hydrolysis resistance and low temperature flexibility. Its product has matt surface.

Applications:

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

General Information			
Features	Good Abrasion Resistance		
	Good Strength		
	Hydrolysis Resistant		
	Low Temperature Flexibility		
Uses	Belts/Belt Repair		
	Film		
	Hose		
	Sheet		
	Tubing		
	Wire & Cable Applications		
Appearance	Black		
	Opaque		
	White		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83 to 87		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	5.50	MPa	
300% Strain	11.5	MPa	
Tensile Strength	27.0	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	90.0	kN/m	ASTM D624
Extrusion	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 3 Temp.	180	°C
Cylinder Zone 5 Temp.	190	°C
Die Temperature	175	°C

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