

WanBlend® WHT-185ET8

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-185ET8 is polyester-based TPU compound available in cylinder form that can solve a wide range of static decay, static shielding and electromagnetic shielding problems.

Applications:

Electronic component packaging, Pipes, Belts, Component trays, etc.

General Information			
Features	Electromagnetic Shielding (EMI)		
Uses	Belts/Belt Repair		
	Electrical/Electronic Applications		
	Packaging		
	Piping		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	84		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	5.00	MPa	
300% Strain	9.00	MPa	
Tensile Strength	22.0	MPa	ASTM D412
Tensile Elongation (Break)	620	%	ASTM D412
Tear Strength	85.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-38.0	°C	ASTM D3417
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+8	ohms	ASTM D257
Volume Resistivity	5.0E+8	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	95.0 to 100	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	190	°C	
Middle Temperature	190	°C	
Front Temperature	195	°C	

Nozzle Temperature	200	°C
Injection Pressure	70.0	MPa
Extrusion	Nominal Value	Unit
Drying Temperature	95.0 to 100	°C
Drying Time	2.0 to 3.0	hr
Cylinder Zone 1 Temp.	185	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 5 Temp.	195	°C
Die Temperature	190	°C

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