

WanBlend® WHT-190E5

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-190ET5 is polyester-based TPU/CB compound available in cylinder form that can solve a wide range of static decay, static shielding and electromagnetic shielding problems.

Applications:

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

General Information			
Additive	Carbon Black		
Features	Electromagnetic Shielding (EMI)		
Uses	Belts/Belt Repair		
	Electrical/Electronic Applications		
	Packaging		
	Piping		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	9.00	MPa	
300% Strain	16.0	MPa	
Tensile Strength	24.0	MPa	ASTM D412
Tensile Elongation (Break)	440	%	ASTM D412
Tear Strength	98.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-36.0	°C	ASTM D3417
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+5	ohms	ASTM D257
Volume Resistivity	< 1.0E+5	ohms · cm	ASTM D257
Extrusion	Nominal Value	Unit	
Drying Temperature	95.0 to 100	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	190	°C	
Cylinder Zone 3 Temp.	195	°C	
Cylinder Zone 5 Temp.	200	°C	
Die Temperature	205	°C	

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