WanBlend® WHT-185E5

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

WHT-185ET5 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		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.24	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	85		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
100% Strain	7.00	MPa	
300% Strain	12.0	MPa	
Tensile Strength	20.0	MPa	ASTM D412
Tensile Elongation (Break)	460	%	ASTM D412
Tear Strength	95.0	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-39.0	°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.	195	°C	
Die Temperature	200	°C	

Recommended distributors for this material

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