

Wanthane® WHT-56170

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

TYPE: Polyester-based grade Extrusion grade
FEATURES: Good low temperature flexibility, wide process window, excellent partner for PVC
Applications: Hose jackets, films, etc.

General Information			
Features	Flexibility at low temperatures		
	Workability, good		
Uses	Films		
	Pipe		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	2.50	MPa	ASTM D412
300% strain	4.00	MPa	ASTM D412
Tensile Strength (Break)	20.0	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Tear Strength	55.0	kN/m	ASTM D624
Extrusion	Nominal Value	Unit	
Drying Temperature	90 - 100	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.030	%	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 2 Temp.	155	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	165	°C	
Adapter Temperature	170	°C	
Die Temperature	160 - 165	°C	

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