

Wanthane® WHT-1198E

Thermoplastic Polyurethane Elastomer (Polyester)

Wanhua Chemical Group Co., Ltd.

Message:

TYPE: Polyester-based grade Extrusion grade
FEATURES: Excellent mechanical properties, high abrasion resistance, outstanding hydrolysis resistance, good resilience performance, good transparency
Applications: Tubes, belts, wire and cable, etc

General Information			
Features	Good wear resistance		
	Hydrolysis resistance		
	Elastic		
	Medium transparency		
Uses	Conveyor belt repair		
	Wire and cable applications		
	Pipe fittings		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	98		ASTM D2240
Shaw D	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
DIN Abrasion	40.0	mm ³	ISO 4649
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	17.0	MPa	ASTM D412
300% strain	36.0	MPa	ASTM D412
Tensile Strength (Break)	41.0	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	170	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-25.0	°C	ASTM D3418
Vicat Softening Temperature	135	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	2.0 - 3.0	hr	

Suggested Max Moisture	0.030	%
Cylinder Zone 1 Temp.	190	°C
Cylinder Zone 2 Temp.	195	°C
Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 4 Temp.	205	°C
Adapter Temperature	210	°C
Die Temperature	200 - 205	°C

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