

# Wanthane® WHT-2185

Thermoplastic Polyurethane Elastomer (Polycaprolactone)

Wanhua Chemical Group Co., Ltd.

## Message:

WHT-2185 is polycaprolactone-based TPU for Extrusion, injection molding applications, supplied in form of transparent, translucent, colorless or slightly yellowish pellets with Excellent strength and abrasion resistance

Applications:

High Quality Shoulder belt, seals, Gaskets, Wheels, mine sieve ,cable

General Information	
Features	Good Abrasion Resistance
	Good Strength
Uses	Belts/Belt Repair
	Gaskets
	Seals
	Wheels
	Wire & Cable Applications
Appearance	Colorless
	Translucent
	Transparent - Slight Yellow
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	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	6.00	MPa	
300% Strain	9.00	MPa	
Tensile Strength	26.0	MPa	ASTM D412
Tensile Elongation (Break)	520	%	ASTM D412
Tear Strength	110	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-45.0	°C	ASTM D3417
Injection	Nominal Value	Unit	

Drying Temperature	90.0 to 100	°C
Drying Time	4.0 to 6.0	hr
Rear Temperature	190	°C
Middle Temperature	195	°C
Front Temperature	200	°C
Nozzle Temperature	205	°C
Injection Pressure	65.0	MPa
Extrusion	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	4.0 to 6.0	hr
Cylinder Zone 1 Temp.	185	°C
Cylinder Zone 3 Temp.	195	°C
Cylinder Zone 5 Temp.	200	°C
Die Temperature	195	°C

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#### Recommended distributors for this material

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