

**WANTHANE® WHT-8180**

TPU

Wanhua Chemical Group Co., Ltd.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Modulus at 100% Elongation	<b>6</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>10</b>	MPa	ASTM D 412
Shore A Hardness	<b>80</b>	-	ASTM D 2240
Tear Strength	<b>75</b>	kN/m	ASTM D 624
Tensile Strength	<b>25</b>	MPa	ASTM D 412
Elongation at Break	<b>600</b>	%	ASTM D 412

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Glass Transition Temperature	<b>-45</b>	°C	ASTM E 1356

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1100</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding, Film Extrusion, Sheet Extrusion, Wire/Cable Extrusion, Other Extrusion

**Special Characteristics**

U.V. stabilized or stable to weather

**Features**

Fungus Resistance

**Chemical Resistance**

Hydrolytically Stable

**Certifications**

Food contact, Food approval FDA 21 CFR, US Pharmacopeia Class VI Approved

**Applications**

Medical, Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa