

**MIRATHANE® E180F**

TPU

Miracell Chemicals 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>8</b>	MPa	ASTM D 412
Shore A Hardness	<b>82</b>	-	ASTM D 2240
Tear Strength	<b>90</b>	kN/m	ASTM D 624
Tensile Strength	<b>25</b>	MPa	ASTM D 412
Elongation at Break	<b>700</b>	%	ASTM D 412

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Glass Transition Temperature	<b>-35</b>	°C	ASTM E 1356

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Wire/Cable Extrusion

**Delivery form**

White

**Special Characteristics**

Flame retardant, Halogen-free, Heat stabilized or stable to heat

**Features**

Low Smoke

**Chemical Resistance**

Hydrolytically Stable, Oil Resistance

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific