

MIRATHANE® E180

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	5	MPa	ASTM D 412
Modulus at 300% Elongation	12	MPa	ASTM D 412
Shore A Hardness	82	-	ASTM D 2240
Tear Strength	100	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	18	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	28	%	ASTM D 395
Tensile Strength	35	MPa	ASTM D 412
Elongation at Break	550	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	-40	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Characteristics**Processing**

Wire/Cable Extrusion

Applications

Automotive, Electrical and Electronical

Chemical Resistance

General Chemical Resistance, Oil Resistance

Regional Availability

North America, Europe, Asia Pacific