

MIRATHANE® E190

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	10	MPa	ASTM D 412
Modulus at 300% Elongation	24	MPa	ASTM D 412
Shore A Hardness	92	-	ASTM D 2240
Tear Strength	140	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	24	%	ASTM D 395
Compression Set , 22 hr @ 158 °F	33	%	ASTM D 395
Tensile Strength	45	MPa	ASTM D 412
Elongation at Break	450	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	-32	°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