

MIRATHANE® E690

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	25	MPa	ASTM D 412
Shore A Hardness	91	-	ASTM D 2240
Tear Strength	150	kN/m	ASTM D 624
Tensile Strength	40	MPa	ASTM D 412
Elongation at Break	460	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	-20	°C	ASTM E 1356

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

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather, Transparent

Regional Availability

North America, Europe, Asia Pacific