

MIRATHANE® I80D

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	2150	MPa	ASTM D 790
Flexural Strength	115	MPa	ASTM D 790
Shore D Hardness	80	-	ASTM D 2240
Tear Strength	200	kN/m	ASTM D 624
Izod Impact unnotched, 1/8 in	120	J/m	ASTM D 256
Tensile Strength	70	MPa	ASTM D 412
Elongation at Break	150	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	83	°C	ASTM D 648
DTUL @ 264 psi	81	°C	ASTM D 648
Glass Transition Temperature	90	°C	ASTM E 1356
Vicat Temperature	75	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

Heat stabilized or stable to heat, Transparent

Chemical Resistance

General Chemical Resistance, Oil Resistance

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific