

MIRATHANE® I85D

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Shore D Hardness	85	-	ASTM D 2240
Tear Strength	220	kN/m	ASTM D 624
Izod Impact unnotched, 1/8 in	105	J/m	ASTM D 256
Tensile Strength	95	MPa	ASTM D 412
Elongation at Break	25	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	123	°C	ASTM D 648
DTUL @ 264 psi	120	°C	ASTM D 648
Glass Transition Temperature	130	°C	ASTM E 1356
Vicat Temperature	123	°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

Chemical Resistance

General Chemical Resistance, Oil Resistance

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific