

MIRATHANE® E85

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	6	MPa	ASTM D 412
Modulus at 300% Elongation	12	MPa	ASTM D 412
Shore A Hardness	86	-	ASTM D 2240
Tear Strength	120	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	30	%	ASTM D 395
Tensile Strength	40	MPa	ASTM D 412
Elongation at Break	500	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	-37	°C	ASTM E 1356

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

Characteristics**Processing**

Wire/Cable Extrusion

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable, Oil Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific