

MIRATHANE® S55D

TPU

Miracell Chemicals Co., Ltd.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	20	MPa	ASTM D 412
Modulus at 300% Elongation	30	MPa	ASTM D 412
Shore D Hardness	55	-	ASTM D 2240
Tear Strength	160	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	18	%	ASTM D 395
Tensile Strength	37	MPa	ASTM D 412
Elongation at Break	330	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Glass Transition Temperature	-40	°C	ASTM E 1356

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

Hydrolytically Stable, Oil Resistance

Features

Thermal Stability

Regional Availability

North America, Europe, Asia Pacific