

**Mediprene® 50000M**

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>100</b>	g/10min	ASTM D 1238
Temperature	<b>150</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>1</b>	MPa	ASTM D 638
Elongation at Break	<b>1000</b>	%	ASTM D 638
Modulus at 100% Elongation	<b>0.1</b>	MPa	ASTM D 412
Modulus at 300% Elongation	<b>0.067</b>	MPa	ASTM D 412
Tear Strength	<b>5</b>	kN/m	ASTM D 624
<b>Other properties</b>			
Density	<b>890</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	<b>180 - 210</b>	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

Translucent, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization

**Features**

Good Adhesion, Soft Feel

**Certifications**

Medical Grade, Biocompatibility ISO 10993

**Applications**

Medical, Packaging

**Regional Availability**

North America, Europe, Asia Pacific