

**Mediprene® 500502M**

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	6	MPa	ASTM D 638
Elongation at Break	650	%	ASTM D 638
Modulus at 100% Elongation	1.4	MPa	ASTM D 412
Modulus at 300% Elongation	0.833	MPa	ASTM D 412
Shore A Hardness	50	-	ASTM D 2240
Tear Strength	28	kN/m	ASTM D 624
<b>Other properties</b>			
Density	890	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	150 - 210	°C	-
Mold temperature	20 - 40	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets

**Special Characteristics**

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

**Features**

Good Adhesion, Soft Feel

**Chemical Resistance**

Radiation Resistance

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Medical Grade, US Pharmacopeia Class VI Approved

**Applications**

Medical

**Regional Availability**

North America, Europe, Asia Pacific