

**Mediprene® 500752M**

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	9	MPa	ASTM D 638
Elongation at Break	500	%	ASTM D 638
Modulus at 100% Elongation	3.3	MPa	ASTM D 412
Modulus at 300% Elongation	1.6	MPa	ASTM D 412
Shore A Hardness	75	-	ASTM D 2240
Tear Strength	43	kN/m	ASTM D 624

Other properties	Value	Unit	Test Standard
Density	890	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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