

Mediprene® 500450M

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	1	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	5	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength	7	MPa	ASTM D 638
Elongation at Break	650	%	ASTM D 638
Modulus at 100% Elongation	1.1	MPa	ASTM D 412
Modulus at 300% Elongation	0.7	MPa	ASTM D 412
Shore A Hardness	45	-	ASTM D 2240
Tear Strength	21	kN/m	ASTM D 624
Other properties			
Density	890	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Melt temperature	180 - 210	°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