

Mediprene® 500452M

TPE

Hexpol TPE

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mechanical properties			
ASTM Data			
Tensile Strength	6	MPa	ASTM D 638
Elongation at Break	650	%	ASTM D 638
Modulus at 100% Elongation	1	MPa	ASTM D 412
Modulus at 300% Elongation	0.7	MPa	ASTM D 412
Shore A Hardness	45	-	ASTM D 2240
Tear Strength	26	kN/m	ASTM D 624
Other properties			
Density	890	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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