

Mediprene® 500800M

TPE

Hexpol TPE

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|-------------------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 6 | g/10min | ASTM D 1238 |
| Temperature | 190 | °C | - |
| Load | 5 | kg | - |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength | 15 | MPa | ASTM D 638 |
| Elongation at Break | 700 | % | ASTM D 638 |
| Modulus at 100% Elongation | 3.7 | MPa | ASTM D 412 |
| Modulus at 300% Elongation | 1.73 | MPa | ASTM D 412 |
| Shore A Hardness | 80 | - | ASTM D 2240 |
| Tear Strength | 45 | 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