

Mediprene® OF 753M

TPE

Hexpol TPE

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 1.5 | g/10min | ASTM D 1238 |
| Temperature | 190 | °C | - |
| Load | 5 | kg | - |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength | 12 | MPa | ASTM D 638 |
| Elongation at Break | 550 | % | ASTM D 638 |
| Modulus at 100% Elongation | 4 | MPa | ASTM D 412 |
| Modulus at 300% Elongation | 2 | MPa | ASTM D 412 |
| Shore A Hardness | 75 | - | ASTM D 2240 |
| Tear Strength | 62 | kN/m | ASTM D 624 |
| Other properties | | | |
| Density | 910 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Mold temperature | 20 - 50 | °C | - |
| Zone 1 | 180 - 230 | °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