

**Mediprene® OFD 403M**

TPE

Hexpol TPE

| Processing/Physical Characteristics                | Value            | Unit              | Test Standard |
|----------------------------------------------------|------------------|-------------------|---------------|
| <b>ASTM Data</b>                                   |                  |                   |               |
| Melt Flow Index, MFI                               | <b>2</b>         | g/10min           | ASTM D 1238   |
| Temperature                                        | <b>190</b>       | °C                | -             |
| Load                                               | <b>5</b>         | kg                | -             |
| <b>Mechanical properties</b>                       |                  |                   |               |
| <b>ASTM Data</b>                                   |                  |                   |               |
| Tensile Strength                                   | <b>18</b>        | MPa               | ASTM D 638    |
| Elongation at Break                                | <b>650</b>       | %                 | ASTM D 638    |
| Modulus at 100% Elongation                         | <b>7.8</b>       | MPa               | ASTM D 412    |
| Modulus at 300% Elongation                         | <b>3.03</b>      | MPa               | ASTM D 412    |
| Shore D Hardness                                   | <b>40</b>        | -                 | ASTM D 2240   |
| Tear Strength                                      | <b>89</b>        | kN/m              | ASTM D 624    |
| <b>Other properties</b>                            |                  |                   |               |
| Density                                            | <b>900</b>       | kg/m <sup>3</sup> | ASTM D 792    |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |               |
| Mold temperature                                   | <b>20 - 50</b>   | °C                | -             |
| Zone 1                                             | <b>180 - 230</b> | °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