

**Mediprene® 502734M**

TPE

Hexpol TPE

| Processing/Physical Characteristics                | Value     | Unit              | Test Standard |
|--|-----------|-------------------|---------------|
| <b>ASTM Data</b>                                   |           |                   |               |
| Melt Flow Index, MFI                               | 7         | g/10min           | ASTM D 1238   |
| Temperature  | 190       | °C                | -             |
| Load   | 2.16      | kg                | -             |
| <b>Mechanical properties</b>                       |           |                   |               |
| <b>ASTM Data</b>                                   |           |                   |               |
| Tensile Strength                                   | 11        | MPa               | ASTM D 638    |
| Elongation at Break                                | 750       | %                 | ASTM D 638    |
| Modulus at 100% Elongation                         | 2.8       | MPa               | ASTM D 412    |
| Modulus at 300% Elongation                         | 1.33      | MPa               | ASTM D 412    |
| Shore A Hardness                                   | 73        | -                 | ASTM D 2240   |
| Tear Strength                                      | 33        | kN/m              | ASTM D 624    |
| <b>Other properties</b>                            |           |                   |               |
| Density  | 880       | kg/m <sup>3</sup> | ASTM D 792    |
| <b>Processing Recommendation Injection Molding</b> |           |                   |               |
| Mold temperature                                   | 20 - 50   | °C                | -             |
| Zone 1   | 180 - 220 | °C                | -             |

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Black

**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