

TECHNICAL DATA SHEET

PHARMALENE® MP 90 PH

Versalis S.p.A
(PE-HD)

Processing

Injection molding

Delivery Form

Pellets

Features

Creep resistance, Homopolymer

Chemical Resistance

Oxidation resistance

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Medical grade, US Pharmacopeia class VI approved

Applications

Medical

| Processing/Physical Characteristics | Value | Unit | Standard |
|---|-----------|-------------------|----------------|
| Melt flow index, MFI | 7 | g/10min | ISO 1133 |
| Temperature | 190 | °C | |
| Load | 2.16 | kg | |
| Mechanical Properties | Value | Unit | Standard |
| Yield stress | 30 | MPa | ISO 527 |
| Stress at break | 17 | MPa | ISO 527 |
| Strain at break | 400 | % | ISO 527 |
| Flexural modulus, 23°C | 1450 | MPa | ISO 178 |
| Shore D hardness | 69 | | ISO 7619-1 |
| Thermal Properties | Value | Unit | Standard |
| Melting temperature, 10°C/min | 135 | °C | ISO 11357-1/-3 |
| Vicat softening temperature, A | 128 | °C | ISO 306 |
| Other Properties | Value | Unit | Standard |
| Density | 960 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | Value | Unit | Standard |
| Mold temperature | 10 - 40 | °C | |
| Zone 1 | 190 - 260 | °C | |