

TECHNICAL DATA SHEET

PHARMALENE® MR 10 PH

Versalis S.p.A
 (PE-LD)

Processing

Injection molding

Delivery Form

Pellets

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	20	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	10	MPa	ISO 527
Flexural modulus, 23°C	120	MPa	ISO 178
Shore D hardness	45		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	107	°C	ISO 11357-1/-3
Vicat softening temperature, A	84	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	918	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 30	°C	
Zone 1	160 - 200	°C	