

TECHNICAL DATA SHEET

PHARMALENE® MR 50 PH

Versalis S.p.A
(PE-LLD)

Processing

Injection molding

Delivery Form

Pellets

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, Packaging

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	15	MPa	ISO 527
Stress at break	15	MPa	ISO 527
Strain at break	450	%	ISO 527
Flexural modulus, 23°C	500	MPa	ISO 178
Shore D hardness	56		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	126	°C	ISO 11357-1/-3
Vicat softening temperature, A	113	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	939	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	
Zone 1	170 - 230	°C	