

TECHNICAL DATA SHEET

# PHARMALENE® MS 20 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	26	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	9	MPa	ISO 527
Stress at break	10	MPa	ISO 527
Strain at break	400	%	ISO 527
Flexural modulus, 23°C	150	MPa	ISO 178
Shore D hardness	48		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	116	°C	ISO 11357-1/-3
Vicat softening temperature, A	88	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	921	kg/m <sup>3</sup>	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	
Zone 1	160 - 210	°C	