

TECHNICAL DATA SHEET

PHARMALENE® MS 40 PH

Versalis S.p.A
(PE-LLD)

Processing

Injection molding

Delivery Form

Pellets

Special Characteristics

High impact or impact modified

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	27	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	11	MPa	ISO 527
Stress at break	12	MPa	ISO 527
Strain at break	400	%	ISO 527
Flexural modulus, 23°C	300	MPa	ISO 178
Shore D hardness	52		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	121	°C	ISO 11357-1/-3
Vicat softening temperature, A	103	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	930	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	
Zone 1	160 - 210	°C	