

TECHNICAL DATA SHEET

PHARMALENE® MP 90 PH BCA

Versalis S.p.A
(PE-HD)

Processing

Injection molding

Delivery Form

Pellets

Features

Creep resistance, Homopolymer

Chemical Resistance

Oxidation resistance

Certifications

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

Applications

Medical

Product Text

Product Information

Pharmalene MP 90 PH BCA will be bio attributed for 95%.

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

PHARMALENE® MP 90 PH BCA

Versalis S.p.A

Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	
Zone 1	190 - 260	°C	