

TECHNICAL DATA SHEET

PHARMALENE® MR 50 PH BA

Versalis S.p.A
 (PE-LLD)

Processing

Injection molding

Delivery Form

Pellets

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, Packaging

Product Text

Product Information

Pharmalene MR 50 PH BA will be bio attributed for 90%.

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/m³	ISO 1183

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Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	
Zone 1	170 - 230	°C	