

TECHNICAL DATA SHEET

# PHARMALENE® BC 82 PH

Versalis S.p.A  
(PE-HD)

**Processing**

Other extrusion, Blow 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

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	0.25	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	27	MPa	ISO 527
Stress at break	30	MPa	ISO 527
Strain at break	600	%	ISO 527
Flexural modulus, 23°C	1200	MPa	ISO 178
Shore D hardness	64		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	132	°C	ISO 11357-1/-3
Vicat softening temperature, A	125	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	954	kg/m <sup>3</sup>	ISO 1183
Processing Recommendation Extrusion	Value	Unit	Standard
Melt temperature	195 - 205	°C	
Zone 1	170 - 180	°C	
Zone 2	185 - 195	°C	