

TECHNICAL DATA SHEET

PHARMALENE® FC 20 PH BA

Versalis S.p.A
(PE-HD)

Processing

Blown film extrusion, Film extrusion, Other extrusion, Blow molding

Delivery Form

Pellets

Features

Melt strength

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 FC 20 PH BA will be bio attributed for 100%.

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	0.25	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	112	°C	ISO 11357-1/-3
Vicat softening temperature, A	93	°C	ISO 306
Optical Properties	Value	Unit	Standard
Haze	20		ISO 14782
Gloss	30		ASTM D 2457
Other Properties	Value	Unit	Standard
Density	922	kg/m ³	ISO 1183
Film Properties	Value	Unit	Standard
Stress at yield, parallel	10	MPa	ISO 527-3
Stress at yield, normal	11	MPa	ISO 527-3

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Film Properties	Value	Unit	Standard
Stress at break, parallel	25	MPa	ISO 527-3
Stress at break, normal	25	MPa	ISO 527-3
Maximum strain, parallel	400	%	ISO 527-3
Maximum strain, normal	550	%	ISO 527-3
Dart drop A	290	g	ISO 7765-1
Dynamic coefficient of friction	0.5		ISO 8295
Type of extrusion	blown		
Thickness of specimen	0.07	mm	

Processing Recommendation Extrusion	Value	Unit	Standard
Type of extrusion	blown		
Melt temperature	180 - 220	°C	