

TECHNICAL DATA SHEET

# PHARMALENE® FC 20 PH

Versalis S.p.A  
(PE-LD)

**Processing**

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

**Delivery Form**

Pellets

**Features**

Melt strength

**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	
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 <sup>3</sup>	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
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

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Film Properties	Value	Unit	Standard
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	