

TECHNICAL DATA SHEET

PHARMALENE® FF 55 PH BA

Versalis S.p.A
EVAC

Processing

Blown film extrusion, Film extrusion

Delivery Form

Pellets

Special Characteristics

High impact or impact modified

Features

Copolymer

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 FF 55 PH BA will be bio attributed for 81%.

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	0.7	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Shore D hardness	38		ISO 7619-1
Shore A hardness, 15s	89		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	86	°C	ISO 11357-1/-3
Vicat softening temperature, A	65	°C	ISO 306
Optical Properties	Value	Unit	Standard
Haze	1.5		ISO 14782
Gloss	87		ASTM D 2457
Other Properties	Value	Unit	Standard
Density	941	kg/m ³	ISO 1183

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Film Properties	Value	Unit	Standard
Stress at yield, parallel	4	MPa	ISO 527-3
Stress at yield, normal	4	MPa	ISO 527-3
Stress at break, parallel	36	MPa	ISO 527-3
Stress at break, normal	34	MPa	ISO 527-3
Maximum strain, parallel	500	%	ISO 527-3
Maximum strain, normal	700	%	ISO 527-3
Dart drop A	700	g	ISO 7765-1
Dynamic coefficient of friction	0.5		ISO 8295
Type of extrusion	blown		

Processing Recommendation Extrusion	Value	Unit	Standard
Type of extrusion	blown		
Melt temperature	150 - 180	°C	