

TECHNICAL DATA SHEET

PHARMALENE® ML 70 PH

Versalis S.p.A
(PE-HD)

Processing

Injection molding

Delivery Form

Pellets

Special Characteristics

High impact or impact modified

Features

Creep resistance

Chemical Resistance

Environmental stress crack 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	2.8	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	25	MPa	ISO 527
Stress at break	20	MPa	ISO 527
Strain at break	800	%	ISO 527
Flexural modulus, 23°C	1100	MPa	ISO 178
Shore D hardness	64		ISO 7619-1
Thermal Properties	Value	Unit	Standard
Melting temperature, 10°C/min	131	°C	ISO 11357-1/-3
Vicat softening temperature, A	125	°C	ISO 306
Other Properties	Value	Unit	Standard
Density	951	kg/m ³	ISO 1183
Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	10 - 40	°C	

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Versalis S.p.A

Processing Recommendation Injection Molding	Value	Unit	Standard
Zone 1	220 - 275	°C	