

**Makrolon® M204 LF**
PC

Covestro Deutschland AG

- MVR (300 °C/1.2 kg) 35 cm³/10 min
- low viscosity
- improved friction characteristics
- biocompatible according to many ISO 10993-1 test requirements
- medical devices

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	35	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2350	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Yield strain	5.8	%	ISO 527
Nominal strain at break	>50	%	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	121	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	135	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	65	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	65	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	V-2	class	UL 94

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	0.33	%	Sim. to ISO 62
Humidity absorption	0.11	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Characteristics**Features**

Tribologic Grade

Applications

Medical

Certifications

Biocompatibility ISO 10993

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These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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