

**LUVOCOM 80-8162**

POM

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	27	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.4	%	ISO 294-4, 2577
Thermal conductivity of melt	0.2	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2500	MPa	ISO 527
Tensile Strength	55	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Charpy impact strength, -30°C	82	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	108	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1400	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75	°C	-
Pre-drying - Time	2 - 8	h	-
Melt temperature	200	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	175 - 190	°C	-
Zone 2	185 - 205	°C	-
Zone 3	180 - 200	°C	-
Nozzle temperature	175 - 200	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

White

**Additives**

Lubricants

**Features**

Tribologic Grade

**Applications**

Automotive, IT / Business Machine

**Regional Availability**

North America, Europe, Asia Pacific