

**LUVOCOM 80/TF/18/SI/2/BK**

(POM+PTFE)

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	2.1	%	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	2000	MPa	ISO 527
Tensile Strength	40	MPa	ISO 527
Flexural modulus, 23°C	1800	MPa	ISO 178
Charpy impact strength, -30°C	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	11	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	95	°C	ISO 75-1/-2
Vicat softening temperature, A	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1490	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

**Features**

Tribologic Grade

**Delivery form**

Black

**Applications**

Automotive, IT / Business Machine

**Additives**

Lubricants

**Regional Availability**

North America, Europe, Asia Pacific