

**LUVOCOM 50/TF/15/BK**

(PC+PTFE)

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	40	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
Melt flow index, MFI	45	g/10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.7	%	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	2200	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Flexural modulus, 23°C	2000	MPa	ISO 178
Charpy impact strength, -30°C	80	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	25	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	15	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	132	°C	ISO 75-1/-2
Vicat softening temperature, A	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Density	1290	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	280 - 300	°C	-
Zone 2	290 - 310	°C	-
Zone 3	300 - 320	°C	-
Nozzle temperature	290 - 310	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Lubricants

**Special Characteristics**

High impact or impact modified

**Features**

Tribologic Grade

**Applications**

Medical, Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific