

**LUVOCOM 80-7050**

POM-CF

LEHVOSS Group

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.5</b>	%	ISO 294-4, 2577
Thermal conductivity of melt	<b>0.45</b>	W/(m K)	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>16000</b>	MPa	ISO 527
Tensile Strength	<b>115</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>14000</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>25</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>160</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>160</b>	°C	ISO 306
Coeff. of linear therm. expansion, parallel	<b>20</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>10000</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1470</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>75</b>	°C	-
Pre-drying - Time	<b>2 - 8</b>	h	-
Melt temperature	<b>200</b>	°C	-
Mold temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>175 - 190</b>	°C	-
Zone 2	<b>185 - 205</b>	°C	-
Zone 3	<b>180 - 200</b>	°C	-
Nozzle temperature	<b>175 - 200</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Increased electrical conductivity, Anti-static

**Applications**

Automotive, IT / Business Machine, Packaging

**Regional Availability**

North America, Europe, Asia Pacific