

**LubriOne™ MP-20GF/15T BLACK**  
(PPE+PS+PTFE)-GF20

Avient Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>5850</b>	MPa	ASTM D 638
Tensile Strength	<b>90</b>	MPa	ASTM D 638
Elongation at Break	<b>3.5</b>	%	ASTM D 638
Flexural Modulus	<b>6050</b>	MPa	ASTM D 790
Flexural Strength	<b>140</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>90</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 264 psi	<b>135</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1310</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>90 - 100</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Mold temperature	<b>65 - 95</b>	°C	-
Zone 1	<b>270 - 300</b>	°C	-
Zone 2	<b>270 - 300</b>	°C	-
Zone 3	<b>270 - 300</b>	°C	-

**Characteristics**

**Processing**  
Injection Molding

**Additives**  
Lubricants

**Delivery form**  
Black

**Regional Availability**  
Asia Pacific