

**MABLEX® GF 20 IQ**

(PC+ABS)-GF20

Ravago Group

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>25</b>	g/10min	ISO 1133
Temperature	<b>260</b>	°C	-
Load	<b>5</b>	kg	-
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0035</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>77</b>	MPa	ISO 527
Stress at break	<b>73</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Flexural modulus, 23°C	<b>4800</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>8.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>120</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>126</b>	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>1.6</b>	mm	-
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Thickness tested	<b>3.2</b>	mm	-
Burning rate, FMVSS, Thickness 1 mm	<b>100</b>	mm/min	ISO 3795 (FMVSS 302)
Glow Wire Flammability Index (GWFI)	<b>650</b>	°C	IEC 60695-2-12
GWFI - thickness tested (1)	<b>2</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E12</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
Electric strength	<b>33</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>175</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1230</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe