

**Iupilon EGN2040DF**

PC-GF40

Mitsubishi Engineering-Plastics Corporation

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.2</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.2</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Stress at break	<b>85</b>	MPa	ISO 527
Strain at break	<b>2.8</b>	%	ISO 527
Flexural modulus, 23°C	<b>8500</b>	MPa	ISO 178
Flexural strength	<b>135</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>7</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>138</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>142</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
Yellow Card available	<b>yes</b>	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>137</b>	-	IEC 60112
<b>Other properties</b>			
Water absorption	<b>0.08</b>	%	Sim. to ISO 62
Density	<b>1520</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>120</b>	°C	-
Pre-drying - Time	<b>4 - 8</b>	h	-
Mold temperature	<b>80 - 120</b>	°C	-
Zone 1	<b>280 - 300</b>	°C	-
Zone 2	<b>280 - 300</b>	°C	-
Zone 3	<b>280 - 300</b>	°C	-
Nozzle temperature	<b>280 - 300</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Phosphorus-free

**Features**

Low Warpage

**Applications**

General Purpose

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa