

**Amilan® CM3003G30**

PA66-GF30...

Toray Industries, Inc.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	<b>170</b>	MPa	ISO 527
Strain at break	<b>3</b>	%	ISO 527
Flexural modulus, 23°C	<b>10000</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 121</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>265</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>255</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>262</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>25</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>5.5</b>	%	Sim. to ISO 62
Density	<b>1380</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Regional Availability**

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