

Amilan® CM1003G30

PA6-GF30...

Toray Industries, Inc.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	160	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus, 23°C	9000	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	215	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	224	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Water absorption	6.4	%	Sim. to ISO 62
Density	1370	kg/m ³	ISO 1183

Characteristics**Regional Availability**

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