

Amilan® CM3211G35UB1

(PA66+PA610)-GF35

Toray Industries, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Thermal conductivity of melt	0.42	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	195	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	9500	MPa	ISO 178
Flexural modulus	4800	MPa	ISO 178
Flexural modulus temperature	80	°C	-
Charpy impact strength, +23°C	94.5	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	13.5	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	265	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	228	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1010	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Water absorption	3	%	Sim. to ISO 62
Density	1360	kg/m ³	ISO 1183
Water Absorption, 24hr	0.4	%	ASTM D 570

Characteristics**Regional Availability**

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