

Amilan® CM3001R

PA66-MD40

Toray Industries, Inc.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Strength	95 / 70	MPa	ISO 527
Strain at break	3.5 / 5	%	ISO 527
Flexural modulus, 23°C	5800 / 3000	MPa	ISO 178
Flexural modulus	2000 / -	MPa	ISO 178
Flexural modulus temperature	80	°C	-
Charpy notched impact strength, +23°C	5.5 / -	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120	-	ISO 2039-2

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	265 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	185 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	243 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10

Other properties	dry / cond	Unit	Test Standard
Water absorption	5.1 / *	%	Sim. to ISO 62
Density	1510 / -	kg/m ³	ISO 1183

Characteristics**Features**

Low Warpage

Regional Availability

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