



# Amilan™ CM1021 TM

Toray Industries, Inc. - Polyamide 6

## General Information

### Product Description

Monofilament

### General

Features	• Chemical Resistant
Uses	• Fishing Applications • Monofilaments • Netting
Processing Method	• Filament Extrusion
ISO Designation	• >PA6<

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.13	g/cm <sup>3</sup>	ISO 1183
Water Absorption <sup>2</sup> (24 hr, 73°F)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	10900	psi	ISO 527-2
Tensile Strain (Break, 73°F)	> 50	%	ISO 527-2
Flexural Modulus (73°F)	377000	psi	ISO 178
Flexural Stress (73°F)	15200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.9	ft·lb/in <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	437	°F	DSC
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	HB		UL 94
Fill Analysis	Nominal Value	Unit	
Melt Viscosity <sup>3</sup>			
446°F	1200	Pa·s	
482°F	740	Pa·s	
518°F	490	Pa·s	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> in water

<sup>3</sup> Koka Type Flow Tester