

Amilan™ CM1021 TM

Nylon 6

TECHNICAL DATA

Product Description

Monofilament

Uses	• Fishing Applications	• Monofilaments	• Netting
Processing Method	• Filament Extrusion		
ISO Designation	• >PA6<		
Type	• Nylon6/Extrusion		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Water Absorption ¹ (24 hr, 23°C)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	75	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 50	%	ISO 527-2
Flexural Modulus (23°C)	2600	MPa	ISO 178
Flexural Stress (23°C)	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	225	°C	DSC
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.75 mm)	HB		UL 94
Fill Analysis	Nominal Value	Unit	
Melt Viscosity ²			
230°C	1200	Pa·s	
250°C	740	Pa·s	
270°C	490	Pa·s	

Notes

¹ in water

² Koka Type Flow Tester

Toray Industries, Inc.

