

Amilan™ CM6021 M

Nylon Copolymer

TECHNICAL DATA

Product Description

Transparency

Uses	• Fishing Applications	• Monofilaments	• Netting
Appearance	• Clear/Transparent		
Processing Method	• Filament Extrusion		
ISO Designation	• >PA<		
Type	• Co-polymer Nylon/Unreinforced		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14	g/cm ³	ISO 1183
Water Absorption ¹ (24 hr, 23°C)	1.9	%	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)	2500	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	214	°C	DSC
Fill Analysis	Nominal Value	Unit	
Melt Viscosity ² (270°C)	600	Pa·s	

Notes

¹ in water

² Koka Type Flow Tester

Toray Industries, Inc.

