

Amilan® CM1021TM

Polyamide 6
Toray Resin Company

Message:

Amilan® CM1021TM is a Polyamide 6 (Nylon 6) product. It can be processed by extrusion and is available in Asia Pacific, Europe, or North America.
Typical application: Fabrics/Fibers.

General Information			
Uses	Monofilaments		
Processing Method	Extrusion		
Part Marking Code	>PA6<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	75.0	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
Fill Analysis	Nominal Value	Unit	
Melt Viscosity ¹			
230°C	1200	Pa · s	
250°C	740	Pa · s	
270°C	490	Pa · s	
NOTE			

1. Koka Type Flow Tester

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