

Amilan™ CM1041-LO

Nylon 6

TECHNICAL DATA

Product Description

Deep drawing

Uses

- Film

Processing Method

- Film Extrusion
- Sheet 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)	2500	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	225	°C	DSC
Fill Analysis	Nominal Value	Unit	
Melt Viscosity ²			
250°C	1780	Pa·s	
270°C	1110	Pa·s	
290°C	770	Pa·s	

Notes

¹ in water

² Koka Type Flow Tester

Toray Industries, Inc.

