

TECHNICAL DATA SHEET

TECHNYL C 336SI NC

DOMAMID 6MVIK2 NC

Polyamide 6, low temperature impact modified, medium viscosity, for injection moulding, natural color

General

Certifications	RoHS		
Polymer type	PA6		
Feature	low temperature impact modified(obs)	medium viscosity	
Processing technology	injection moulding	extrusion	

Product identification

ISO 1043 abbreviation	PA6-I
ISO 16396 designation	PA6-I,M1,S18-020

Condition	Standard	Unit	Value
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Physical properties

Condition	Standard	Unit	Value	
Density	ISO 1183	g/cm ³	1.09	
Humidity absorption	T=23°C, 50% RH	ISO 62	%	3.0
Molding shrinkage, parallel	ISO 294-4, 2577	%	1.3 - 1.5	
Molding shrinkage, normal	ISO 294-4, 2577	%	1.4 - 1.6	
Viscosity number	96% H2SO4	ISO 307	cm ³ /g	190.0

	Condition	Standard	Unit	Value
Mechanical properties				dam / cond.*
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	2300 / 800
Strain at break	50 mm/min	ISO 527-1/-2	%	20 / 200
Yield stress	50 mm/min	ISO 527-1/-2	MPa	60 / 30
Yield strain	50 mm/min	ISO 527-1/-2	%	5 / 20
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	2000 / 600
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m ²	NB
Charpy impact strength, -30°C	-30°C	ISO 179/1eU	kJ/m ²	NB
Charpy impact strength		ISO 179/1eU	kJ/m ²	NB
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m ²	35 / 105
Charpy notched impact strength, -30°C	-30°C	ISO 179/1eA	kJ/m ²	17 / 14
Charpy notched impact strength		ISO 179/1eA	kJ/m ²	17 / 14

*: **conditioned according to ISO 1110**

	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221

	Condition	Standard	Unit	Value
Burning behaviour				
Flammability, 0.75 mm	0.75 mm	UL 94		HB

Processing conditions	
Drying temperature/time	75-85°C / 2-4h (with dew point of dried air < -30 °C)
Recommended melt temperature	240 - 280 °C
Recommended mould temperature	60 - 80 °C