TECHNYL®

DOMO caring is our formula

TECHNICAL DATA SHEET

TECHNYL C 336SI NC

(Previously DOMAMID 6MVIK2 NC)

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

General

Feature	Low temperature impact modified	Medium viscosity
Polymer type	PA6 (Polyamide 6)	
Processing technology	Extrusion	Injection molding
Certification	RoHS	

Product identification

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

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.09
Humidity absorption	T=23°C, 50% RH	ISO 62	%	3
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	cm³/g	190
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		NB / NB
Charpy impact strength, -30°C	-30°C	ISO 179/1eU		NB / NB
Charpy impact strength		ISO 179/1eU		NB / NB
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	35 / 105
Charpy notched impact strength, -30°C	-30°C	ISO 179/1eA	kJ/m²	17 / 14
Charpy notched impact strength		ISO 179/1eA	kJ/m²	17 / 14

	Condition	Standard	Unit	Value
Thermal properties				
Melting temperature, 10°C/min		ISO 11357-1	°C	221
Burning behaviour				
Flammability, 0.75 mm	0.75 mm	UL 94		HB

Test run at 23°C if not differently specified, DAM state (dry as moulded).
**: conditioned according to ISO 1110*

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

These parameters are typical of the product but should be related to the type of machinery used and to the type of moulded part.

Disclaimer