TECHNYL®

DOMO caring is our formula

TECHNICAL DATA SHEET

TECHNYL C 118 MX30 BK

(Previously DOMAMID 6LVT30H2 BK)

Polyamide 6, 30% mineral filler, heat-aging stabilized, improved flowability, for injection moulding, black

General

Feature	Heat-aging stabilized	Improved flowability
Polymer type	PA6 (Polyamide 6)	
Processing technology	Injection molding	
Certification	RoHS	

Product identification

ISO 1043 abbreviation	PA6-MD30
ISO 16396 designation	PA6,MD30,M1H,S12-060

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.38
Humidity absorption	T=23°C, 50% RH	ISO 62	%	2.1
Molding shrinkage, parallel		ISO 294-4, 2577	%	0.6 - 0.8
Molding shrinkage, normal		ISO 294-4, 2577	%	0.6 - 0.8
Melt volume-flow rate, MVR, 5.0 kg	275°C, 5kg	ISO 1133	cm³/10 min	50

Mechanical properties				**dam / cond.***
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	6400 / 4200
Stress at break	50 mm/min	ISO 527-1/-2	MPa	70 / 35
Strain at break	50 mm/min	ISO 527-1/-2	%	3 / 4
Yield stress	50 mm/min	ISO 527-1/-2	MPa	70 / 35
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	6000 / 2800
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	30 / 23
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	3 / 7

Thermal properties

	Condition	Standard	Unit	Value
Melting temperature, 10°C/min		ISO 11357-1	°C	221
Temp. of deflection under load, 0.45 MPa	0.45 MPa	ISO 75	°C	190
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	125

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