

DOMAMID® 6MVIK2 NC

(DOMAMID A1-558-I1-N)

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

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TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PRODUCT IDENTIFICATION				
ISO 1043 abbreviation		ISO 1043		PA6-I
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,08
Moisture absorption		ISO 62	[%]	3,00
Mold shrinkage parallel	72 hrs, 23°C, 50% RH	ISO 2577	[%]	1,30 - 1,50
Mold shrinkage transverse	72 hrs, 23°C, 50% RH	ISO 2577	[%]	1,50 - 1,70
RHEOLOGICAL				
Melt Volume Rate (MVR)	275 °C - 5,0 kg	ISO 1133	[cm ³ /10 min]	35
Viscosity number		ISO 307	[ml/g]	190
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	2300
Tensile stress at break	50 mm/min	ISO 527	[MPa]	40
Tensile strain at break	50 mm/min	ISO 527	[%]	30
Tensile stress at yield	50 mm/min	ISO 527	[MPa]	62
Tensile strain at yield	50 mm/min	ISO 527	[%]	4
Charpy unnotched	+23 °C	ISO 179/1eU	[kJ/m ²]	N
Charpy notched	+23 °C	ISO 179/1eA	[kJ/m ²]	30
THERMAL				
Melting point		ISO 11357-1	[°C]	221

Test run at 23°C if not differently specified, DAM state (dry as moulded).

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.

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