

DOMAMID® 66Y10

Polyamide 66, low friction coefficient, with MoS₂, for injection moulding.

04.06.2010

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,14
Mold shrinkage parallel	72 hrs, 23°C, 50% RH	ISO 2577	[%]	1,1 - 1,4
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	3400
Tensile strain at break	50 mm/min	ISO 527	[%]	50
Tensile stress at yield	50 mm/min	ISO 527	[MPa]	85
Izod impact notched	+23 °C	ISO 180/1A	[kJ/m ²]	5
Hardness Rockwell		ISO 2039/2	[ScaleR]	120
THERMAL				
Melting point	DSC	ISO 11357-1	[°C]	260 ± 2
Heat Deflection Temperature (HDT-B)	0,45 MPa	ISO 75	[°C]	210
Heat Deflection Temperature (HDT-A)	1,80 MPa	ISO 75	[°C]	65
VICAT softening temperature	50°C/h - 50N	ISO 306	[°C]	250
ELECTRICAL				
Volume resistivity		IEC 93	[Ω·cm]	10 ¹⁵
Surface resistivity		IEC 93	[Ω]	10 ¹³
BURNING BEHAVIOUR				
Flammability	0,8 mm	UL 94	[Class]	HB

Test run at 23°C if not differently specified, DAM state (dry as moulded), valid for natural colored products

PROCESSING CONDITIONS:

Drying temperature/time	: 75-85°C/4-6h
Recommended melt temperature	: 260-285 °C
Recommended mould temperature	: 70-120 °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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