

DOMAMID® 66GM305H

Polyamide 66, 30% glass fibre and mineral filler, heta stabilized, for injection moulding.

preliminary datasheet

21.10.2009

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,36
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	6500
Tensile stress at break	5 mm/min	ISO 527	[MPa]	130
Tensile strain at break	5 mm/min	ISO 527	[%]	3,5
Izod impact notched	+23 °C	ISO 180/1A	[kJ/m ²]	6
THERMAL				
Melting point	DSC	ISO 11357-1	[°C]	260 ± 2
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
Burning rate (FMVSS)		FMVSS 302	[mm/min]	< 100

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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