



DOMAMID[®] 6G30HCE

Polyamide 6, 30% glass fibre, for injection moulding.

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,36
Mold shrinkage parallel	72 hrs, 23°C, 50% RH	ISO 2577	[%]	-
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	10000
Tensile stress at break	5 mm/min	ISO 527	[MPa]	180
Tensile strain at break	5 mm/min	ISO 527	[%]	3,5
Izod impact notched	+23 °C	ISO 180/1A	[kJ/m ²]	14
THERMAL				
Melting point	DSC	ISO 11357-1	[°C]	220 ± 2
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	: 75-95°C/4-6h
Recommended melt temperature	: 240-270 °C
Recommended mould temperature	: 90 °C