

DOMAMID® 6GB305AFH2 Nero

Polyamide 6, 30% glass fiber and beads, for injection moulding.

preliminary datasheet

05.02.2016

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PRODUCT IDENTIFICATION				
ISO 1043 abbreviation		ISO 1043		PA6-(GF10+GB20)
ISO 1874-1 designation		ISO 1874-1		PA6,M,14-060,GF10+GB20
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,36
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	6000
Tensile stress at break	5 mm/min	ISO 527	[MPa]	110
Tensile strain at break	5 mm/min	ISO 527	[%]	3
Flexural modulus	2 mm/min	ISO 178	[MPa]	5300
Flexural strength	2 mm/min	ISO 178	[MPa]	175
Charpy unnotched	+23 °C	ISO 179/1eU	[kJ/m ²]	30
Charpy notched	+23 °C	ISO 179/1eA	[kJ/m ²]	4
THERMAL				
Melting point	DSC	ISO 11357-1	[°C]	220 ± 2

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

PROCESSING CONDITIONS:

Drying temperature/time	: 75-95°C/4-6h
Recommended melt temperature	: 240-260 °C
Recommended mould temperature	: 80-90 °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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