

## DOMAMID® 6LVG15 300 BK

(DOMAMID A1-117-V15-DB)

Polyamide 6, 15% glass fiber reinforced, improved flowability, for injection moulding, black

preliminary datasheet

24.02.2016

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
<b>PHYSICAL</b>				
Density		ISO 1183	[g/cm <sup>3</sup> ]	1,23
<b>RHEOLOGICAL</b>				
Melt Volume Rate (MVR)	275 °C - 5,0 kg	ISO 1133	[cm <sup>3</sup> /10 min]	90
Viscosity number	96% H <sub>2</sub> SO <sub>4</sub>	ISO 307	[ml/g]	125,0
<b>MECHANICAL</b>				
Tensile modulus	1 mm/min	ISO 527	[MPa]	6200
Tensile stress at break	5 mm/min	ISO 527	[MPa]	120
Tensile strain at break	5 mm/min	ISO 527	[%]	2,5
Flexural modulus	5 mm/min	ISO 178	[MPa]	4700
Flexural strength	5 mm/min	ISO 178	[MPa]	200
Charpy unnotched	+23 °C	ISO 179/1eU	[kJ/m <sup>2</sup> ]	45
Charpy notched	+23 °C	ISO 179/1eA	[kJ/m <sup>2</sup> ]	5,5
<b>THERMAL</b>				
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 : 250-290 °C  
 Recommended mould temperature : 80-100 °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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