



**ECONAMID<sup>®</sup> 6GM305FLH**

*Polyamide 6, 30% glass fibre and mineral filler, for injection moulding.*

*preliminary datasheet*

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
<b>PHYSICAL</b>				
Density		ISO 1183	[g/cm <sup>3</sup> ]	1,36
<b>MECHANICAL</b>				
Tensile modulus	1 mm/min	ISO 527	[MPa]	7000
Tensile stress at break	5 mm/min	ISO 527	[MPa]	110
Tensile strain at break	5 mm/min	ISO 527	[%]	3
Izod impact notched	+23 °C	ISO 180/1A	[kJ/m <sup>2</sup> ]	5,5
<b>THERMAL</b>				
Melting point	DSC	ISO 11357-1	[°C]	220 ± 2
<b>ELECTRICAL</b>				
Volume resistivity		IEC 93	[Ω·cm]	10 <sup>15</sup>
Surface resistivity		IEC 93	[Ω]	10 <sup>13</sup>
<b>BURNING BEHAVIOUR</b>				
Flammability	0,8 mm	UL 94	[Class]	HB

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

**PROCESSING CONDITIONS:**

Drying temperature/time : 75-85°C/4-6h  
 Recommended melt temperature : 230-260 °C  
 Recommended mould temperature : 80-100 °C