DOMO® Engineering Plastics Technical Data Sheet



ECONAMID® FL 6GM3010H1

(ECONAMID 6GM304FLH)

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

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50 1043 D 1874-1 50 1183 [9 50 2577 50 2577 50 2577 50 527 [7 50 527 [7 50 527 [7 50 527 [7 50 527 [7] 50 178 [7] 50 178 [7] 50 179/1eU [8]	PA6,MH,1 g/cm³] [%] [%] 3/10 min] [ml/g] da [MPa]	75 1,36 0,3 - 0,5 0,7 - 0,9 75 135 am / cond.* 000 / 3500 100 / 60 3 / 10 5300 / - 150 / - 30 / 90
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SO 178 [0 179/1eU [k 0 179/1eA [k	[MPa] kJ/m²] kJ/m²]	150 / - 30 / 90
179/1eU [k 179/1eA [k	kJ/m²] kJ/m²] kJ/m²]	30 / 90
179/1eA [k	kJ/m²]	
· -	· -	
3 4 0 0 / 4 L L	1.1/21	5 / 10
	kJ/m²]	25 / 85
D 180/1A [k	kJ/m²]	4,5 / 10
11357-1	[°C]	221
ISO 75	[°C]	205
ISO 75	[°C]	175
SO 306	[°C]	200
C 60093	Ω·cm1	1015
_	[Ω]	1013
	Cl	НВ
UL 94 [Classi	ПВ
I:	ISO 306 EC 60093 [EC 60093	ISO 306 [°C] EC 60093 [Ω·cm] EC 60093 [Ω]

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

PROCESSING CONDITIONS:

Drying temperature/time : $75-85^{\circ}\text{C}$ / 2-4h (with dew point of dried air < -30 °C)

Recommended melt temperature : 240-270 °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. ECONAMID grades are not recommended for injection moulding hot runner systems with a diameter below 1mm

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^{*:} conditioned according to ISO 1110