DOMO® Engineering Plastics Technical Data Sheet



ECONAMID® FL 6 500

(ECONAMID 6ST)

Polyamide 6, impact modified, for injection moulding.

10.03.2016

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STANDARD	UNIT	VALUE
ISO 1043		PA6-I
ISO 1183	[g/cm³]	1,12
ISO 307	[ml/g]	135
ISO 527	[MPa]	2900
ISO 527	[%]	40
ISO 527	[MPa]	70
ISO 178	[MPa]	95
ISO 179/1eU	[kJ/m²]	NB
ISO 179/1eU	[kJ/m²]	NB
ISO 179/1eA	[kJ/m²]	9
ISO 180/1U	[kJ/m²]	NB
ISO 180/1A	[kJ/m²]	8
ISO 2039/2	[ScaleR]	115
ISO 11357-1	[°C]	221
ISO 75	[°C]	160
ISO 75	[°C]	55
ISO 306	[°C]	190
IEC 60093	[Ω·cm]	1015
IEC 60093	[Ω]	1013
UL 94	[Class]	НВ
FMVSS 302	[mm/min]	< 100
	FMVSS 302	

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 : 240-260 °C
Recommended mould temperature : 60-90 °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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