



ECONAMID[®] 6FLUV

Polyamide 6, UV stabilized, for injection moulding.

preliminary datasheet

TYPICAL PROPERTIES	CONDITION	STANDARD	UNIT	VALUE
PHYSICAL				
Density		ISO 1183	[g/cm ³]	1,13
MECHANICAL				
Tensile modulus	1 mm/min	ISO 527	[MPa]	2800
Tensile stress at yield	50 mm/min	ISO 527	[MPa]	65
Tensile strain at yield	50 mm/min	ISO 527	[%]	12
Flexural modulus	2 mm/min	ISO 178	[MPa]	2000
Charpy unnotched	+23 °C	ISO 179/1eU	[kJ/m ²]	45
Charpy notched	+23 °C	ISO 179/1eA	[kJ/m ²]	6
Izod impact notched	+23 °C	ISO 180/1A	[kJ/m ²]	5
Hardness Rockwell		ISO 2039/2	[ScaleR]	120
THERMAL				
Melting point	DSC	ISO 11357-1	[°C]	220 ± 2
Heat Deflection Temperature (HDT-B)	0,45 MPa	ISO 75	[°C]	170
Heat Deflection Temperature (HDT-A)	1,80 MPa	ISO 75	[°C]	75
VICAT softening temperature	50°C/h - 50N	ISO 306	[°C]	205
Melt Flow Index (MFI)	275°C/ 0,325g	ISO 1133	[g/10']	9
ELECTRICAL				
Volume resistivity		IEC 93	[Ω·cm]	10 ¹⁵
Surface resistivity		IEC 93	[Ω]	10 ¹³
BURNING BEHAVIOUR				
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	: 75-95°C/4-6h
Recommended melt temperature	: 230-260 °C
Recommended mould temperature	: 40-80 °C