

TECHNICAL DATA SHEET

Enplury® 66 2000P

Enplury 66 2000P is an unreinforced polyamide 6.6 with a good flowability and light inherent color

Applications: Housings and fixtures in the automotive and electric industry

Properties	Test method	Unit	Value	
			d.a.m.	cond.
Tensile modulus (1 mm/min)	ISO 572-1/2	MPa	3,200	1,100
Yield stress ¹ /Tensile stress at break (5 mm/min)	ISO 572-1/2	MPa	85/	50/
Elongation at break (5 mm/min)	ISO 572-1/2	%	>20	>50
Flexural modulus (2 mm/min)	ISO 178	MPa	2,800	-
Flexural stress (2 mm/min)	ISO 178	MPa	110	-
Charpy impact strength (23°C)	ISO 179-1/1eU	kJ/m ²	n.b.	n.b
Charpy impact strength (-30°C)	ISO 179-1/1eU	kJ/m ²	n.b	-
Charpy notched impact strength (23°C)	ISO 179-1/1eA	kJ/m ²	3	13
Charpy notched impact strength (-30°C)	ISO 179-1/1eA	kJ/m ²	2	-
Melting point (DSC, 10 K/min)	ISO 11357-1/3	°C	262	-
Heat distortion temperature (HDT/A)	ISO 75-2	°C	75	-
Heat distortion temperature (HDT/B)	ISO 75-2	°C	215	-
Flammability acc. UL 94 (1.6 mm)	UL 94	Class	V-2	-
Density (23°C)	ISO 1183	g/cm ³	1.14	-
Moisture absorption (70°C/62 % r.h.)	ISO 1110	%	2.9 - 3.1	-
Water absorption (23°C/satur.)	ISO 62	%	8.0 - 9.0	-