

Enplury® 66 K6060 2000P

Enplury 66 K6060 2000P is a 60% glass fibre reinforced polyamide 6.6 with very high rigidity and strength and light inherent color

Applications: Components in mechanical engineering and in the automotive industry

Properties	Test method	Unit	Value	
			d.a.m.	cond.
Tensile modulus (1 mm/min)	ISO 572-1/2	MPa	15800	20500
Yield stress ¹ /Tensile stress at break (5 mm/min)	ISO 572-1/2	MPa	190	260
Elongation at break (5 mm/min)	ISO 572-1/2	%	2	2.5
Flexural modulus (2 mm/min)	ISO 178	MPa	19800	–
Flexural stress (2 mm/min)	ISO 178	MPa	400	–
Charpy impact strength (23°C)	ISO 179-1/1eU	kJ/m ²	102	105
Charpy impact strength (-30°C)	ISO 179-1/1eU	kJ/m ²	97	–
Charpy notched impact strength (23°C)	ISO 179-1/1eA	kJ/m ²	19	22
Charpy notched impact strength (-30°C)	ISO 179-1/1eA	kJ/m ²	19	–
Ball indentation hardness (HB 961/30)	ISO 2039-1	MPa	330	–
Melting point (DSC, 10 K/min)	ISO 11357-1/3	°C	262	–
Heat distortion temperature (HDT/A)	ISO 75-2	°C	260	–
Heat distortion temperature (HDT/B)	ISO 75-2	°C	260	–
Flammability acc. UL 94 (1.6 mm)	UL 94	Class	HB	–
Density (23°C)	ISO 1183	g/cm ³	1,71	–
Content minerals / reinforcement	ISO 1172	-	60	–
Moisture absorption (70°C/62 % r.h.)	ISO 1110	%	1.0 - 1.2	–
Water absorption (23°C/satur.)	ISO 62	%	3.2 - 3.7	–
Processing shrinkage, flow	ISO 294 - 4	%	0.4	–
Processing shrinkage, transverse	ISO 294 - 4	%	0.8	–