

Enplury® 6 K1515 2000P

Enplury 6 K1515 2000P is a 15% glass fibre reinforced polyamide 6 with medium stiffness 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	6,100	3,300
Yield stress ¹ /Tensile stress at break (5 mm/min)	ISO 572-1/2	MPa	/120	/75
Elongation at break (5 mm/min)	ISO 572-1/2	%	3	9.5
Flexural modulus (2 mm/min)	ISO 178	MPa	5,200	-
Flexural stress (2 mm/min)	ISO 178	MPa	180	-
Charpy impact strength (23°C)	ISO 179-1/1eU	kJ/m ²	52	95
Charpy impact strength (-30°C)	ISO 179-1/1eU	kJ/m ²	43	-
Charpy notched impact strength (23°C)	ISO 179-1/1eA	kJ/m ²	7	11
Charpy notched impact strength (-30°C)	ISO 179-1/1eA	kJ/m ²	6	-
Ball indentation hardness (HB 961/30)	ISO 2039-1	MPa	180	-
Melting point (DSC, 10 K/min)	ISO 11357-1/3	°C	220	-
Heat distortion temperature (HDT/A)	ISO 75-2	°C	205	-
Heat distortion temperature (HDT/B)	ISO 75-2	°C	220	-
Flammability acc. UL 94 (1.6 mm)	UL 94	Class	HB	-
Density (23°C)	ISO 1183	g/cm ³	1.23	-
Content minerals / reinforcement	ISO 1172	-	15	-
Moisture absorption (70°C/62 % r.h.)	ISO 1110	%	2.6 - 2.9	-
Water absorption (23°C/satur.)	ISO 62	%	7.7 - 8.3	-