

TECHNICAL DATA SHEET

Enplury® PARA K6060

Enplury PARA K6060 is a 60% glass fiber reinforced polyarylamid with very high stiffness and strength, even in conditioned state.

Applications: Components with high dimensional stability, independent from moisture content. Enplury PARA K6060 is an alternative for aluminium and zinc diecast alloys.

Properties	Test method	Unit	Value	
			d.a.m.	cond.
Tensile modulus (1 mm/min)	ISO 572-1/2	MPa	24000	24000
Stress at break (5 mm/min)	ISO 572-1/2	MPa	320	290
Strain at break (5 mm/min)	ISO 572-1/2	%	2.0	2.0
Charpy impact strength (23°C)	ISO 179-1/1eU	kJ/m ²	80	85
Melting Temperature	DIN EM 11357-1	°C	-	238
Temp. of deflection under load HDT/C	ISO 75	°C	-	205
Flammability acc. UL 94 (1.6 mm)	UL 94	Class	HB	-
Density (23°C)	ISO 1183	g/cm ³	-	1.76
Content reinforcement	ISO 1172	-	-	60
Humidity absorption (70°C/62 % r.h.)	ISO 1110	%	-	0.7
Processing shrinkage, flow	ISO 294-4	%	0.1	0.2
Processing shrinkage, transverse	ISO 294-4	%	0.2	0.4