

PA66 | KEPAMID 2345GF | Glass fiber reinforced grade

- KEPAMID 2345GF is a glass fiber 45%-reinforced PA66 grade.
- It has high stiffness and heat resistance.
- It is suitable for automotive, electrical & electronics, and industrial parts.

Physical properties	Test Standard	Unit	Value
Filler contents	ISO 1172	%	45
Specific gravity	ISO 1183	-	1.53
Water absorption(23 °C, 50 %RH)	ISO 62	%	0.3~0.7

Mechanical properties	Test Standard	Unit	Value
Tensile stress	ISO 527	MPa	250
Elongation at break	ISO 527	%	3.0
Tensile modulus	ISO 527	MPa	14400
Flexural strength	ISO 178	MPa	365
Flexural modulus	ISO 178	MPa	13800
Charpy impact strength(Notched) @ 23°C	ISO 179/1eA	kJ/m ²	16.5
Charpy impact strength(Notched) @ -30°C	ISO 179/1eA	kJ/m ²	15.5
Rockwell Hardness(R-Scale)	ISO 2039	-	121

Thermal properties	Test Standard	Unit	Value
Melting point(10 °C/min)	ISO 11357	°C	260
Heat deflection temperature(0.45 MPa)	ISO 75	°C	260
Heat deflection temperature(1.8 MPa)	ISO 75	°C	255
Flammability(t = 0.8 mm)	UL 94	Class	HB

Electrical properties	Test Standard	Unit	Value
Permittivity(1 MHz)	IEC 60250	-	3.4
Volume resistivity	IEC 60093	Ω/ cm	10 ¹⁵

Revision No : 1 (2015-02-13)