

PA66 | KEPAMID 2300A | Friction & wear resistance grade

- KEPAMID 2300A is a wear resistance PA66 grade.
- It has strong mechanical properties, heat resistance, and wear resistance.
- It is suitable for applications such as automotive, electrical & electronics, and industrial parts.

Physical properties	Test Standard	Unit	Value
Filler contents	ISO 1172	%	-
Specific gravity	ISO 1183	-	1.20
Water absorption(23 °C, 50 %RH)	ISO 62	%	1.1~1.5

Mechanical properties	Test Standard	Unit	Value
Tensile stress	ISO 527	MPa	80
Elongation at break	ISO 527	%	14
Tensile modulus	ISO 527	MPa	2800
Flexural strength	ISO 178	MPa	110
Flexural modulus	ISO 178	MPa	2900
Charpy impact strength(Notched) @ 23°C	ISO 179/1eA	kJ/m ²	4.0
Charpy impact strength(Notched) @ -30°C	ISO 179/1eA	kJ/m ²	3.5
Rockwell Hardness(R-Scale)	ISO 2039	-	115

Thermal properties	Test Standard	Unit	Value
Melting point(10 °C/min)	ISO 11357	°C	260
Heat deflection temperature(0.45 MPa)	ISO 75	°C	215
Heat deflection temperature(1.8 MPa)	ISO 75	°C	65
Flammability(t = 0.8 mm)	UL 94	Class	HB

Electrical properties	Test Standard	Unit	Value
Permittivity(1 MHz)	IEC 60250	-	3.2
Volume resistivity	IEC 60093	Ω/ cm	10 ¹⁵

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