PA66 | KEPAMID 2340GM3 | Glass fiber/mineral filler reinforced grade

- KEPAMID 2340GM3 is a glass fiber/mineral filler 40%-reinforced PA66 grade.
- It has high stiffness, heat resistance, and low warpage characteristics.
- It is suitable for automotive, electrical & electronics, and industrial parts.

Physical properties	Test Standard	Unit	Value
Filler contents	ISO 1172	%	40
Specific gravity	ISO 1183	-	1.44
Water absorption(23 ℃, 50 %RH)	ISO 62	%	0.6
Mold shrinkage(Flow direction, Φ = 100 mm, t = 3 mm)	KEP Method	%	0.6~0.9

Mechanical properties	Test Standard	Unit	Value
Tensile stress	ISO 527	MPa	118
Elongation at break	ISO 527	%	4
Flexural strength	ISO 178	MPa	186
Flexural modulus	ISO 178	MPa	6860
Charpy impact strength(Notched) @ 23℃	ISO 179/1eA	kJ/m^2	3.5
Rockwell Hardness(R-Scale)	ISO 2039	-	121

Thermal properties	Test Standard	Unit	Value
Melting point(10 ℃/min)	ISO 11357	℃	260
Heat deflection temperature(0.45 MPa)	ISO 75	℃	255
Heat deflection temperature(1.8 MPa)	ISO 75	℃	235
Flammability(t = 0.8 mm)	UL 94	Class	HB

Electrical properties	Test Standard	Unit	Value
Permittivity(1 MHz)	IEC 60250	-	3.5
Volume resistivity	IEC 60093	Ω/ cm	10^{15}

Revision No : 1 (2015-02-13)