

PRODUCT INFORMATION

Metric & SI unit



3740GM7

- KEPEX 3740GM7 is glass fiber/mineral filler 40% reinforced PBT/PET alloy.
- Good surface smoothness and low warpage.
- It is applicable to automotive, electrical, electronic and industrial parts.

Property	Test Method	Test condition	Units	Value
Thermal Property				
Melt Index Flow	ASTM D1238	275℃, 5.0kg	g/10min	40
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ²	℃	220
	ASTM D648	18.6kgf/cm ²	℃	210
Melting Point	DSC		℃	220 / 250
Flammability	UL94	0.8mm	–	HB
Mechanical Property				
Tensile Strength	ASTM D638	23℃	kgf/cm ²	1,100
Elongation at Break	ASTM D638	23℃	%	2.0
Flexural Strength	ASTM D790	23℃	kgf/cm ²	1,700
Flexural Modulus	ASTM D790	23℃	kgf/cm ²	85,000
Izod Impact Strength	ASTM D256	23℃	Kgfc/cm	7.0
Rockwell Hardness	ASTM D785	23℃	R-scale	120
Others				
Specific Gravity	ASTM D792	23℃	–	1.60
Filler Contents	ASTM D5630	Furnace	%	40
Mold Shrinkage	ASTM D955	3t	%	–
Cylinder Temperature (Nozzle ~ Hopper)			℃	270 ~ 240
Mold Temperature			℃	40 ~ 100

Above values are typical properties and not to be construed as specification.
Properties are subject to change with a new knowledge and development.

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