

PRODUCT INFORMATION

Metric & SI unit



3830GF

- KEPEX 3830GF is glass fiber 30% reinforced polyester alloy.
- Excellent low warpage and good impact strength.
- 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	60
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ²	℃	–
	ASTM D648	18.6kgf/cm ²	℃	–
Melting Point	DSC		℃	222
Flammability	UL94	0.8mm	–	HB
Mechanical Property				
Tensile Strength	ASTM D638	23℃	kgf/cm ²	1,200
Elongation at Break	ASTM D638	23℃	%	3.0
Flexural Strength	ASTM D790	23℃	kgf/cm ²	1,700
Flexural Modulus	ASTM D790	23℃	kgf/cm ²	70,000
Izod Impact Strength	ASTM D256	23℃	Kgfc/cm	10.0
Rockwell Hardness	ASTM D785	23℃	R-scale	120
Others				
Specific Gravity	ASTM D792	23℃	–	1.44
Filler Contents	ASTM D5630	Furnace	%	30
Mold Shrinkage	ASTM D955	3t	%	0.2 ~ 0.5
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.

KOREA ENGINEERING PLASTICS CO., LTD.

Head Office Tel : 02-707-6832, Fax : 02-714-9235

Research Center Tel : 031-436-1300, Fax : 031-436-1301

Pyeongtaek Plant Tel : 031-691-3003, Fax : 031-691-3896