

PRODUCT INFORMATION

Metric & SI unit



3500

- KEPEX 3500 is unfilled medium viscosity PBT.
- Mechanical, thermal and electrical properties are good. .
- It is applicable to automotive, electrical, electronic and industrial parts.

Property	Test method	Test condition	Units	Value
Thermal Property				
Melt Index Flow	ASTM D1238	250℃, 2.16kg	g/10min	25
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ²	℃	155
	ASTM D648	18.6kgf/cm ²	℃	55
Melting Point	DSC		℃	220
Flammability	UL94	0.8mm	–	HB
Mechanical Property				
Tensile Strength	ASTM D638	23℃	kgf/cm ²	550
Elongation at Break	ASTM D638	23℃	%	>200
Flexural Strength	ASTM D790	23℃	kgf/cm ²	950
Flexural Modulus	ASTM D790	23℃	kgf/cm ²	25,000
Izod Impact Strength	ASTM D256	23℃	Kgfc/cm	3.0
Rockwell Hardness	ASTM D785	23℃	R-scale	120
Others				
Specific Gravity	ASTM D792	23℃	–	1.31
Filler Contents	ASTM D5630	Furnace	%	–
Mold Shrinkage	ASTM D955	3t	%	1.8 ~ 2.2
Cylinder Temperature (Nozzle ~ Hopper)			℃	250 ~ 230
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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