



## Product Information

## NYLOY® KF-0030N 508 B1

- Nylon 6
- Insulated Thermal Conductive Halogen-free Flame Retardant
- Black

PROPERTIES	METHOD	UNIT	RESULT
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	850 (83.3)
Elongation	ASTM D638	%	1.5
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	1400 (137.2)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	103500 (10147.0)
IZOD Impact, Notched 23° C	ASTM D256	kg-cm/cm (J/M)	4 (39.2)
IZOD Impact, Notched -20°C	ASTM D256	kg-cm/cm (J/M)	-
Hardness Rockwell R Scale	ASTM D785	-	-
<b>THERMAL</b>			
Heat Deflection Temp	ASTM D648		
0.45MPa		°C	210
Thermal Conductivity	ISO 22007-2	W/k*m	1.2
<b>OTHER</b>			
Density	ASTM D792	g/cm <sup>3</sup>	1.700
Mold Shrinkage	ASTM D955		
Normal, 2.0mm		%	0.65±0.10
Parallel, 2.0mm		%	0.30 ±0.10
Flammability	UL-94	1.6mm	V0
		1.6mm	5VA
<b>REMARK</b>			
(1) This data-sheet is for reference only .			

## Moulding guide

Drying Temp.	°C	110~120
Drying Time	hr	4~6
Mold Temp.	°C	80
1 <sup>st</sup> inj.		
V(%) / P(%)	%	70/65
2 <sup>nd</sup> inj.		
V(%) / P(%)	%	60/55
3 <sup>rd</sup> inj.		
V(%) / P(%)	%	30/25
4 <sup>th</sup> inj.		
V(%) / P(%)	%	20/15
Nozzle Temp.	°C	270~285
1 <sup>st</sup> Barrel Temp.	°C	260~275
2 <sup>nd</sup> Barrel Temp.	°C	250~260
3 <sup>rd</sup> Barrel Temp.	°C	240~250
Cooling Time	Sec.	20

### REMARK

※ The condition listed on the above table is for the process control recommendation only . The data is derived from the CHEN HSONG SM-90 injection machine .The adjustments are required if other injection machine is used for making the other product.