



# 耐特 NYTEX COMPOSITES CO., LTD. 耐特科技材料股份有限公司

## Product Information

## NYLOY® CT-0020N-V R601B

●PC

●Electrical Insulative  
Thermal Conductive  
Flame Retardant & Weather Resistance(f1)

●Black

PROPERTIES	測試方法 METHOD	單位 UNIT	結果(數據) RESULT	
<b>MECHANICAL</b>				
Tensile Strength	ASTM D638	kg/cm <sup>2</sup> (MPa)	410	(40)
Elongation	ASTM D638	%	8	
Flexural Strength	ASTM D790	kg/cm <sup>2</sup> (MPa)	800	(79)
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup> (MPa)	34000	(3337)
Izod Impact, Notched 1/8" 23°C	ASTM D256	Kg-cm/cm (J/M)	7	(69)
<b>THERMAL</b>				
Heat Deflection Temp (4.6kg/cm <sup>2</sup> ) (0.45MPa)	ASTM D648	°C	105	
Thermal Conductivity	ISO 22007-2	W/m*K	0.7	
<b>OTHER</b>				
Density	ASTM D792	g/cm <sup>3</sup>	1.41	
Mold Shrinkage	ASTM D955	%	0.2-0.6	
Drop ball test	Nytex Method(*)		Pass	
Flammability	UL-94	1.6 mm	V0	
<b>ELECTRICAL</b>				
Surface Resistance	IEC 60093	Ohm-P-SQ	> 1E+12	
<b>REMARK</b>				
(1) This data is for reference only .				
The size of the falling drop ball test specimen is 150*150*1.6mm. The test conditions use a 500G Iron ball to be freely dropped from a height of 130cm.				

## Moulding guide

Drying Temp.	°C	100
Drying Time	hr	2~4
Mold Temp.	°C	80
1 <sup>st</sup> inj.		
V(%) / P(%)	%	85/75
2 <sup>nd</sup> inj.		
V(%) / P(%)	%	60/50
3 <sup>rd</sup> inj.		
V(%) / P(%)	%	30/20
4 <sup>th</sup> inj.		
V(%) / P(%)	%	20/10
Nozzle Temp.		
	°C	310~290
1 <sup>st</sup> Barrel Temp.		
	°C	295~275
2 <sup>nd</sup> Barrel Temp.		
	°C	285~265
3 <sup>rd</sup> Barrel Temp.		
	°C	250~230
Cooling Time	Sec.	25

REMARK

This data-sheet is for reference only.