



NYPLA INDUSTRIAL CO., LTD.

TEL: 626-6264889 FAX: 626-6264898
http://www.nypla.com

Product Information

NYLOY® GT-0010N ST

- PLA • High Impact • Natural

PROPERTY	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm ² (MPa)	400 (39.2)
Elongation	ASTM D638	%	30
Flexural Strength	ASTM D790	kg/cm ² (MPa)	600 (58.9)
Flexural Modulus	ASTM D790	kg/cm ² (MPa)	23500 (2306.2)
IZOD Impact, Notched 1/8" 23°C	ASTM D256	kg-cm/cm (J/M)	NB
IZOD Impact, Notched 1/8" -20°C	ASTM D256	kg-cm/cm (J/M)	100(980)
Hardness Rockwell R Scale	ASTM D785	-	-
Hardness Shore D	ASTM D2240	-	-
THERMAL			
Heat Deflection Temp	ASTM D648		
(18.6kg/cm ²) (1.82MPa)		°C	-
(4.6kg/cm ²) (0.46MPa)		°C	-
ELECTRICAL			
Arc Resistance	ASTM D495	sec	-
CTI,solution A	IEC 60112	-	-
OTHER			
Density	ASTM D792	g/cm ³	1.19
Mold Shrinkage ⁽²⁾	ASTM D955	x10 ⁻³ mm/mm	-
Moisture Contents	-	%	-
Flammability	UL-94	1.6mm	-
	UL-94	3.2mm	-
REMARK			
⁽¹⁾ This data is for reference only.			
⁽²⁾ Shrinkage parallel to flow. Test box dimensions of base(129×2.7×3.2) mm.			