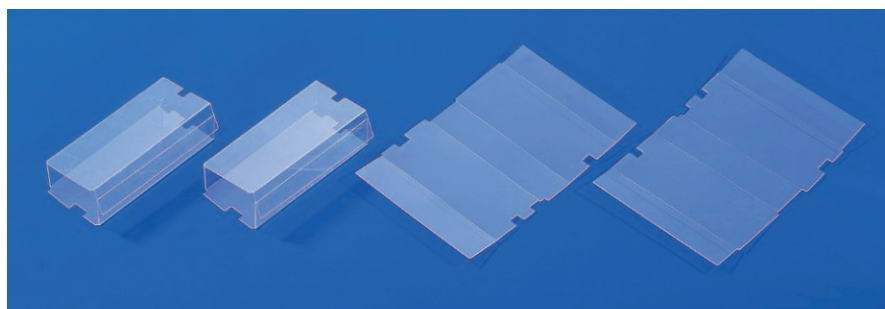
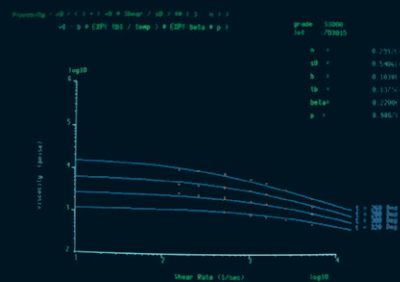


Anti-combustible sheet

# N-7S

N-7S is polycarbonate sheet with heightened anti-combustibility, which is fit for use in machinery parts where insulation is required.

(N-7S has the burning characteristics compliant with UL94V-0.)



## Grades

Product	Size (mm)	Thickness (mm)			
		0.5	0.8	1.0	1.5
N-7S (Natural)	915×1,830	○	○	○	
	1,000×2,000				○
N-7SC (Black)	915×1,830	○	○	○	
Standard size packing unit (sheet)		20	10	10	5

○:Stock

## Basic physical properties of N-7S

Test Item	Test Method	Condition	Unit	Thickness 0.5mm	Thickness 0.8mm or over
Density	ISO 1183 JIS K7112	—	g/cm <sup>3</sup>	1.36	1.32
Tensile strength	ISO 527-1,2 JIS K7161-1,2	—	MPa	73	72
Nominal strain at break		—	%	95	90
Flexural strength	ISO 178 JIS K7171	—	MPa	107	88
Flexural modulus	ISO 178 JIS K7171	—	GPa	2.8	2.5
Charpy impact strength (Notched)	ISO 179-1 JIS K7111-1	—	kJ/m <sup>2</sup>	5~6	5~6
Heat distortion temperature	ISO 75-1,2 JIS K7191-1,2	1.80MPa	°C	138	140
		0.45MPa		150	149
Dielectric constant	JIS K6911	1MHz	—	2.8	2.7
Dielectric loss tangent	JIS K6911	1MHz	—	0.011	0.008
Dielectric breakdown strength	JIS K6911	Short-time method	MV/m	45.8	38.9
Oxygen index	ISO 4589-2 JIS K7201-2	—	%	41.4	39.8
Vicat softening temperature	JIS K7206	—	°C	159.0	155.4
Glow wire test	IEC 60695-2-10~13 JIS C60695-2-10~13	GWIT <sup>(1)</sup>	°C	960	960
		GWFI <sup>(2)</sup>		960	960

The values in this table are representative values based on measurement, and not specified values.

(1) GWIT: Glow wire ignitability test method for materials

(2) GWFI: Glow wire flammability test method for materials