

SPESIFIKASI TEKNIS

Lebar : 1.04 Meter (efektif 0.96 Meter)
 Panjang : 1.98 Meter (efektif 1.76 Meter)
 Bahan Baku : ASA/PMMA dan uPVC
 Tebal : ± 2.6 mm

Berat : $\pm 4,7$ kg/m²

Pilihan warna :   
 Merah Biru Hijau

PHYSICAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Specific Gravity / Density (kg/m ³)	1,07	ASTM D792
2	Water absorption, 24hrs, 23°C (%)	0,25	ASTM D570

MECHANICAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Tensile strength at yield (N/mm ²)	55	ASTM D638
2	Elongation at yield (%)	3,3	ASTM D638
3	Tensile strength at break (N/mm ²)	41	ASTM D638
4	Elongation at break (%)	9	ASTM D638
5	Hardness, Rockwell R Scale	107	ASTM D785
6	Notched impact strength (mj/mm ²)	10	ASTM D256
7	Flexural strength at yield (N/mm ²)	70	ASTM D790
8	Modulus of elasticity (N/mm ²)	2560	ASTM D638

THERMAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Thermal conductivity at 20°C	0,17	ASTM C177
2	Coefficient of thermal expansion (µm/°C)	0,095	ASTM D696
3	Heat deflection temperature, Load: 1.82 MPa (°C)	97	ASTM D648
4	Vicat softening temperature, Load: 1 Kg (°C)	105	ASTM D1525

ELECTRICITY PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Dielectric constant at 50Hz	3,8	ASTM D150
2	Dielectric constant at 1MHz	3,2	ASTM D150
3	Dielectric strength at 50V/s (kV/mm)	35	ASTM D149
4	Dissipation loss factor At 1kHz	83	ASTM D150
5	Volume resistivity (ohm-cm)	$1,0 \times 10^{12}$	ASTM D257
6	Surface resistancy (ohm)	$1,0 \times 10^{13}$	ASTM D257

OTHER PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Gloss (%)	97	ASTM D525
2	Forming Temperature (°C)	185	-
3	Flammability	HB	UL94
4	Limiting Oxygen Index (%)	19	ASTM D2863
5	Light transmission	No	-



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