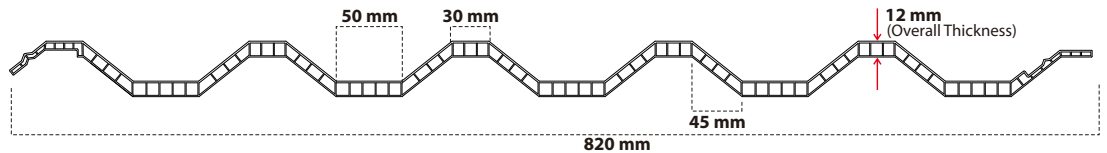


PRODUCT INFORMATION

Width (effective) : 770 mm	Weight : ± 4,2 kg/M ¹ or 5,45 kg/M ²
Length (max) : 12 M	Types : - Doff
Material : uPVC with UV Protection (embedded)	- Semi Transparant
Overall Thickness : 12 mm	Colors : Light Blue, White, Translucent White & Custom Color
Purlin/Bar Distance (max) : 1,2 M	



PHYSICAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Specific Gravity / Density (kg/m ³)	1,42	ASTM D792
2	Water absorption, 24hrs, 23°C (%)	0,035	ASTM D570

MECHANICAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Tensile strength at yield (N/mm ²)	71	ASTM D638
2	Elongation at yield (%)	3	ASTM D638
3	Tensile strength at break (N/mm ²)	35	ASTM D638
4	Elongation at break (%)	20	ASTM D638
5	Hardness, Rockwell R Scale	115	ASTM D785
6	Notched impact strength (mj/mm ²)	8	ASTM D256
7	Flexural strength at yield (N/mm ²)	103	ASTM D790
8	Modulus of elasticity (N/mm ²)	3.100	ASTM D638

THERMAL PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Thermal conductivity at 20°C	0,14	ASTM C177
2	Coefficient of thermal expansion (µm/°C)	0,078	ASTM D696
3	Heat deflection temperature, Load: 1.82 MPa (°C)	72	ASTM D648
4	Vicat softening temperature, Load: 1 Kg (°C)	86	ASTM D1525

ELECTRICITY PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Dielectric constant at 50Hz	4	ASTM D150
2	Dielectric constant at 1MHz	3	ASTM D150
3	Dielectric strength at 50V/s (kV/mm)	50	ASTM D149
4	Dissipation loss factor At 1kHz	0,01	ASTM D150
5	Volume resistivity (ohm-cm)	1,2x10 ¹⁵	ASTM D257
6	Surface resistancy (ohm)	1,3x10 ¹³	ASTM D257

OTHER PROPERTIES

NO.	CHARACTERISTICS	VALUE	METHOD OF TESTING
1	Welding Temperature (°C)	220	-
2	Forming Temperature (°C)	130	-
3	Flammability	V0 / SE	UL94 / ASTM D635
4	Limiting Oxygen Index (%)	54	ASTM D2863

CHEMICAL PRESISTANCE

NO.	CHEMICAL SUBSTANCE	CONCENTRATION LEVEL	RESISTANCE LEVEL		
			POOR	GOOD	EXCELLENT
1	Acetic acid	5 - 10%	-	-	V
2	Acetone	-	V	-	-
3	Aluminium Chloride	10% - Saturated	-	-	V
4	Aluminium Fluoride	Aqueous	-	-	V
5	Aluminium Oxide	Solid	-	-	V
6	Ammonium Hydroxide	5 - 100%	-	-	V
7	Benzene	-	V	-	-
8	Butyl Alcohol, normal	techn. pure	-	V	-
9	Calcium Carbonate	saturated	-	-	V
10	Calcium Chloride	Aqueous	-	V	-
11	Calcium Phosphate	Aqueous	-	-	V
12	Calcium Sulfate	Saturated	-	-	V
13	Carbon Dioxide, dry	techn. pure	-	-	V
14	Carbonic Acid	-	-	-	V
15	Cetyl Alcohol	100%	-	-	V
16	Chloric Acid	1 - 20%	-	V	-
17	Chlorine	10% wet	-	-	V
18	Copper Carbonate	-	-	-	V
19	Cotton Oil	techn. pure	-	-	V
20	Dextrin	Aqueous	-	-	V
21	Diesel fuel	-	-	V	-
22	Ethyl Acetate	100%	V	-	-
23	Ethyl Alcohol	50%	-	-	V
24	Ferric Sulfate	Saturated	-	-	V
25	Fluorides	-	-	-	V
26	Formaldehyde Solution	10 - 40%	-	V	-
27	Fruit Pulp	-	-	-	V
28	Fruit Wine	-	-	-	V
29	Gasoline	-	-	V	-
30	Glucose	each	-	-	V
31	Hydrogen	techn. pure	-	-	V
32	Isobutanol	-	-	-	V
33	Jet Fuel JP 3 - 5	-	-	V	-
34	Kerosene	-	-	V	-
35	Lactid Acid	25%	-	-	V
36	Lactose	-	-	-	V
37	Lauryl Alcohol	100%	-	-	V
38	Machine Oil	100%	-	-	V
39	Mercury	pure	-	-	V
40	Milk	-	-	-	V
41	Mustard	-	-	-	V
42	Naphtalene	100%	V	-	-
43	Nicotine	-	-	-	V
44	Nitric Acid	1 -10%	-	-	V
45	Olive Oil	-	-	-	V
46	Palm Oil	-	-	-	V
47	Phosporic Acid	85%	-	-	V
48	Sea Water	-	-	-	V
49	Starch Syrup	-	-	-	V
50	Tartaric Acid	-	-	-	V
51	Toluene	100%	V	-	-
52	Vaseline Oil	100%	-	-	V
53	Vegetable oils	-	-	-	V
54	Vinegar	-	-	-	V
55	Whiskey	-	-	-	V
56	Zinc Carbonate	Saturated	-	-	V



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