

Fisa tehnica Policarbonat

PROPRIETATI MECANICE SI TERMICE	STRUCTURA	GROSIME (mm)	Culoare	GREUTATE (g/m ²)	LATIME STANDARD (mm)	RAZA MINIMA IN VEDEREA CURBARII LA RECE (m)	TRANSFER TERMIC ASTM C177 TNO (W/m ² *C)
Placi standard		3	Clar/Bronze	500	2100	0.70	3.90
		3.5	Clar/Bronze	550		0.70	3.90
		4	Clar/Albastru/Verde/Opal/Bronze	650		0.70	3.90
		5.7	Clar/Bronze	950		0.8	3.7
		6	Clar/Albastru/Verde/Opal/Bronze	1000		1.05	3.60
		8	Clar/Albastru/Verde/Opal/Bronze	1200		1.40	3.30
		10	Clar/Albastru/Verde/Opal/Bronze	1300		1.75	3.00
		16	Clar/Bronze	2500		2.80	2.30
Titan Sky		10	Clar/Bronze	1750		1.75	2.40

PROPRIETATI OPTICE	GROSIME (mm)	TRANSMISIA LUMINII			PROPRIETATI GENERALE	Valoare	Metoda de testare	PROPRIETATI MECANICE	Valoare	Metoda de testare
		clar	ice	bronz						
Placi standard	3	85	32	42	Densitate (gr/cm ³)	1.2	ISO 1183	Rezistenta la deformare (Mpa)	>60	ISO 527-2/1B/50
	3.5	83			Absorbție apa (%)	0.35	ISO 62	Elongatie la deformare (%)	0.35	ISO 527-2/1B/50
	4	82			Modul de elasticitate (Mpa)	2300	ISO 527	Rezistenta mecanica (Mpa)	2300	ISO 527-2/1B/50
	5.7	80								
	6	80								
	8	80			Temperatura de lucru °C	-40/120	-	Elongatie la rupere (%)	-40/120	ISO 527-2/1B/50
	10	92								
	16	72			Rezistenta la grindina	Trece	Intern	Modul de elasticitate (Mpa)	Trece	ISO 527-2/1B/50
Titan Sky	10	62	32	42	Punct inmuiere °C	145	ISO 306	Limita de flexare (Mpa)	145	ISO 178

PROPRIETATI ACUSTICE	(EN ISO 10140-4& EN ISO 717-1)		PROPRIETATI TERMICE	(EN ISO 6946)		
	GROSIME (mm)	Absorbtie acustica		GROSIME (mm)	Coefficient transfer termic $U=W/m^2.k$	Coefficient rezistenta termic $R= (m^2.k)/W$
Placi Standard	3	9	Placi Standard	3	3.5	0.06
	3.5	11		3.5	3.8	0.09
	4	12		4	3.77	0.1
	5.7	13		5.7	3.4	0.12
	6	14		6	3.33	0.13
	8	15		8	3.04	0.16
	10	16		10	2.83	0.2
	16	21		16	2.6	0.25
Titan Sky	10	19	Titan Sky	10	2.4	0.3

PROPRIETATI GENERALE	Unitate	Valoare
Coefficient de dilatare termica 23-55 °C	mm/m°C	0.065
Coefficient de transfer termic	W/mK	0.2
Temperatura de deformare	°C	127
Temperatura de deformare sub presiune	°C	139

PRODUS	Culori si transmiterea luminii ASTM D 1003						Valoare totala a transmisiei Solare (EN 410)
	GROSIME (mm)	Clar	Bronze	Albastru	Verde	Opal	
Placi Standard	3						
	3.5						
	4	79	30	38	30	20	76
	5.7						
	6	75	23	35	27	18	75
	8	76	15/28	28	24	14	71
	10	75	15/24	32	22	10	74
	16	72	41	-	-	-	74
Titan Sky	10	62	42	-	-	-	62
	16	62	42	-	-	-	42