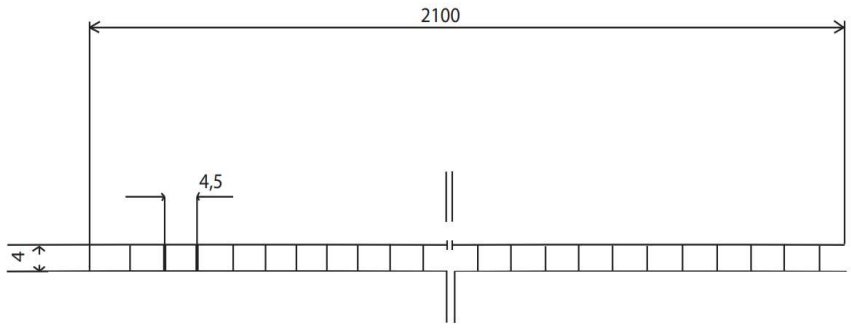
Eurocarb® 4 mm 2W

Prodotto | ***Product*** | *Produit* | *Produkt* | *Producto*

Lastra in policarbonato alveolare
Polycarbonate multiwall sheet
Plaque en polycarbonate alvéolaire
Holkammerplatte aus Polycarbonat
Placa de policarbonato celular



Caratteristiche di produzione| ***Production features*** | *Caractéristiques de production* | *Produktionseigenschaften* | *Caracteristicas productivas*

Production Features	Unit	Value
Spessore | **Thickness** | Épaisseur | Stärke | Espesor	*mm*	4
Struttura | **Structure** | Structure | Struktur | Estructura		2 pareti | 2 **walls** | 2 parois | 2 Wände | 2 paredes
Larghezza | **Width** | Largeur | Breite | Ancho	*mm*	2.100
Lunghezza | **Length** | Longueur | Länge | Longitud	*mm*	6.000 (Standard)
Massa areica | **Mass per unit area** | Masse surfacique | Flächengewicht | Masa por unidad de área	g/m^2	800
Raggio minimo di curvatura a freddo | **Minimum cold bending radius** | Rayon minimum de cintrage à Froid | Mindestkaltbiegeradius | Radio mínimo de curvatura en frio	*mm*	700
Protezione UV | **UV protection** | Protection UV | UV Beschichtung | Protección UV		Protezione su un lato. A richiesta su entrambi | **Protected on one side. Both sides on request**. | Protection sur un seul côté. Sur les deux sur demande | Einseitig UV-beschichtet. Beidseitig auf Anfrage | Protección a una cara. Ambas caras bajo pedido
Conformità normativa | **Regulatory compliance** | Conformité réglementaire | Einhaltung gesetzlicher Vorschriften | Cumplimiento normativo		EN 16153:2013+A1:2015 Reg. (EU) 305/2011 (CPR) [1]

[1] DOP disponibile | **DOP available** | DOP disponible | DOP unter: | DOP disponible

Proprietà generali | ***General Properties*** | *Propriétés generales* | *Allgemeine Eigenschaften* | *Propriedades generales*

Properties	Symbol	Method	Unit	Value
Tramsittanza termica | **Thermal transmittance** | Transmission thermique | Wärmedurchgang | Transmitancia térmica	U_{ver}	EN ISO 10077-2	$W/m^2 \cdot K$	3,9
	U_{hor}	EN ISO 10077-2	$W/m^2 \cdot K$	4,4
Isolamento acustico | **Sound insulation** | Isolation acoustique | Schalldämmung | Aislamiento acústico	$R_w\ (C;\ C_{tr})$	EN ISO 717-1	*dB*	-
Reazione al fuoco | **Reaction to fire** | Réaction au feu | Brandverhalten | Reacción al fuego		EN 13501-1	*Class*	B – s1, d0
Comportamento al fuoco proveniente dall'esterno / **External fire performance** / Performance au feu extérieur / Außenseitiges Brandverhalten/ Comportamiento frente al fuego exterior		EN 13501-5	*Class*	F_{ROOF}
Resistenza meccanica (comportamento alla deformazione) / **Mechanical resistance (deformation behaviour)** / Résistance mécanique (comportement de déformation) / Mechanische Festigkeit (Verformungsverhalten) / Resistencia mecánica (comportamiento de deformación)	B_x	EN 16153	Nm^2/m	-
	B_y	EN 16153	Nm^2/m	-
	S_y	EN 16153	*N/m*	-
	M_b	EN 16153	*Nm/m*	-
Resistenza all'urto di un corpo duro di piccole dimensioni / **Small hard body impact resistance** / Résistance au choc d'un corps dur de faibles dimensions / Geringe Widerstandsfähigkeit bei harten Stößen / Resistencia al impacto de un cuerpo duro con pequeñas dimensiones		EN 16153		Conforme / **Pass** / Conforme / Bestanden / Cumple
Resistenza all'urto da corpo molle di grandi dimensioni (montaggio) / **Large soft body impact resistance (assembly)** / Résistance au choc d'un corps mou de grandes dimensions (montage) / Hohe Widerstandsfähigkeit bei weichen Stößen (Montage) / Resistencia al impacto de cuerpo blando de grandes dimensiones (montaje)		EN 16153		-
Potere calorifico inferiore | **Lower heating value** | Pouvoir calorifique | Brennwert | Poder calorífico	***LHV***	EN 16153	*MJ/kg*	29,8
Dilatazione termica lineare | **Linear termal expansion** | Dilatation thermique linéaire | Wärmedehnungskoeffizient | Dilatación térmica lineal	α_L	EN 16153	$mm/m \cdot K$ K^{-1}	0,065 65×10^{-6}

DISCLAIMER - All the information contained in this data-sheet are reliable and given in good faith, but no binding for GA Plastics S.A., in fact the company assumes no obligations for this information that can be subject of change without notice. Customer is responsible for respecting the correct installation laws and the chemical compatibility recommended by the producer and described in 'Use and Maintenance'/'Chemical Resistance' document that should be consulted on www.gallina.it

For more information or for checking the up-dated values please contact your local sales referent. Moreover the Technical Department provide a customized support taking in charge the requests sent to info@gaplastics.com

Properties	Symbol	Method	Unit	Value
Permeabilità al vapore acqueo | **Water vapour permeability** | Permeabilité à la vapeur d'eau | Wasserdampfdurchlässigkeit | Permeabilidad al vapor de agua	δ	EN 16153	*mg/m·h·Pa*	$3{,}8 \times 10^{-5}$
Temperatura di rammollimento Vicat | **Vicat softening point** | Point de ramollissement Vicat | Vicat-Erweichungstemperatur | Punto de reblandamiento Vicat		ISO 306 (B 50)	°C	146 - 151
Temperatura di impiego | **Operating temperature** | Température d'exploitation | Gebrauchstemperatur | Temperatura de uso			°C	-40 / +120
Durabilità | **Durability** | Durabilité | Haltbarkeit | Durabilidad [2]	$\Delta\tau_v/\Delta YI$	EN 16153	*Class*	ΔA[3]; ΔD [4]
	ΔE	EN 14963 / EN 1873	*Class*	Cu 1
	$\Delta\sigma$	EN 14963 / EN 1873	*Class*	Ku 1

[2] Garanzia 10 anni | **10 years warranty** | Garantie 10 ans | 10 Jahre Garantie | Garantía 10 años
[3] Cristallo | **Clear** | Cristal | Farblos | Cristal
[4] Altri colori | **Other colours** | Autres couleurs | Andere Farben | Otros colores

*Proprietà ottiche | **Optical properties** | Propriétés optiques | Optische Eigenschaften | Propiedades ópticas*

Colour	τ_v	τ_e	g	SC
	[%]	*[%]*	*[%]*	
	EN 14500 / EN 410	EN 14500 / EN 410	EN 16153	EN 410
Cristallo | **Clear** |Cristal | Farblos | Cristal	84	78	81	0,93
Opale | **Opal** | Opale | Opal | Opal	61	65	67	0,77
Bronzo | **Bronze** | Bronze | Bronze | Bronce	53	54	65	0,75
Verde | **Green** | Vert | Grün | Verde	76	73	78	0,89
Azzurro | **Blue** | Bleu | Blau | Azul	45	66	72	0,83

τ_v = Trasmissione luminosa | **Light Transmission** | Transmission lumineuse | Lichtdurchlässigkeit | Transmisión luminosa
τ_e = Trasmissione solare diretta | **Direct solar energy transmittance** |Transmission solaire directe | Direktsolartransmission | Transmisión solar directa
g = Trasmissione solare totale (Fattore solare) | **Total solar energy transmittance (Solar factor)** | Transmission solaire totale (Facteur solaire) | Gesamtsolartransmission (Solarfaktor) | Transmisión solar total (Factor solar)
SC = Fattore d'ombra | **Shading coefficient** | Facteur d'ombre | Schattierungskoeffizient | Coeficiente de sombreado

DISCLAIMER - All the information contained in this data-sheet are reliable and given in good faith, but no binding for GA Plastics S.A., in fact the company assumes no obligations for this information that can be subject of change without notice. Customer is responsible for respecting the correct installation laws and the chemical compatibility recommended by the producer and described in 'Use and Maintenance'/'Chemical Resistance' document that should be consulted on www.gallina.it

For more information or for checking the up-dated values please contact your local sales referent. Moreover the Technical Department provide a customized support taking in charge the requests sent to info@gaplastics.com