OASIS

CAREFREE COMPOSITE FENCING

TECHNICAL DATA SHEET

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Contents

Oasis Composite Fencing

Oasis composite fencing was designed with the homeowner in mind, taking composite fencing to a new level of performance and aesthetic appeal. Oasis composite fencing provides the privacy you need, with the modern, upscale look you desire. Unlike traditional wood fencing, Oasis requires absolutely no maintenance and will look as beautiful as it did the first day it was installed. This means no staining, painting, or replacing boards.

Product name: Oasis composite fencing
Product application: Fencing
Material: LDPE
Material description: Extruded profiles with a cellulose-polymer composite core.

Document layout

Eva-Last strives to evaluate their products in depth and present the technical and safety information available in a manner that assists with the application thereof. If additional data or information is required, please do not hesitate to contact us at **rad@eva-last.com**.

In an attempt to simplify the information, similar data is loosely grouped into the categories summarised below. This document is ordered according to these categories and the applicable page number for the start of each section captured in the Table of contents above.

- Material composition
- Physical properties
- Mechanical properties
- Thermal properties
- Fire reaction properties
- Weathering properties
- Surface properties

The Material compositions section captures a summary of the product make-up from the Material Safety Data Sheet (MSDS). A link to the MSDS is provided for additional detail. Summaries of chemical compliance data available are also collected in this section.

The Physical properties section provides a summary of available profiles and general material properties such as density, water absorption, etc. Additional profile information can be obtained from drawings in the appropriate Appendix. Where possible, material properties that can be assigned to more specific categories are moved to the relevant section.

The Mechanical properties section captures data related to the product's reaction to various load conditions. The section is broadly assembled into the below categories. Additional profile and sectional information are captured by the drawings in the appropriate Appendix.

- Material specific mechanical properties
- Profile specific mechanical properties
- Sectional properties

Product properties such as the expansion coefficient, thermal resistance, etc. are captured, where applicable, in the Thermal properties section.

Information regarding the product's reaction to fire is captured in the Fire Reaction properties section.

Test data relating to the acoustic performance of the, where applicable, is summarised in the acoustic properties section.

Information on the product's resistance to mold, termites, etc. is collected in the Biodegradation properties section.

The Surface properties section summarise information regarding the finish or texture of the product. Test data on aspects such as slip resistance (where applicable) is captured in section.

Where the products form part of a system and, as a result, utilise other components, an additional section to capture useful data regarding these components is added to the document.

Where information is not yet available, the section is simply omitted. In the cases where information can be substituted or supplemented with alternative data (based on similar compositions, etc.), an attempt to do so is made. Where this is the case, it is highlighted. Please make use of the data accordingly. For any additional information regarding this, please feel free to contact **rad@eva-last.com**.

Always ensure the product and application thereof is suitable, rational, and compliant with any applicable regulations or standards. Wherever necessary, consult a suitably qualified professional. For information about the installation and use of the product, please see the applicable Installation Guide (IG). For additional material safety and handling information, please refer to the applicable MSDS. For any further information, please contact **rad@eva-last.com**.

Please note this is an initial version of a new product and, as a result, limited test data is available. The information within this document is based on internal laboratory reports at various stages of product development and data from what are similar products. The information herein is for internal consumption only. For additional information please contact **rad@eva-last.com**.

Material composition

This table provides a simplified material composition list for Oasis composite material technology per internal reports. For detailed information, safety guidelines, and handling instructions, please consult the Eva-tech MSDS, which shares similar core materials to Oasis in the interim. To determine substance compatibility or incompatibility with the product, refer to **Appendix B**.

Component	Substance	Mass (%)
Cap and core	Low Density Polyethylene (LDPE)	40
	Cellulose fibre (Bamboo fibres)	45
Additional additives	Other	15

Physical properties

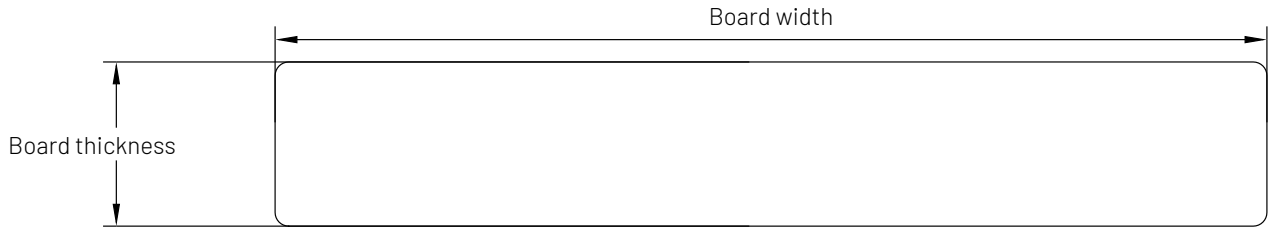
General material properties

Typical properties of the Infinity material technology are captured below as an indication of the expected behaviour of the Oasis material which is an LDPE material which has been assumed to have similar water absorption properties to HDPE.

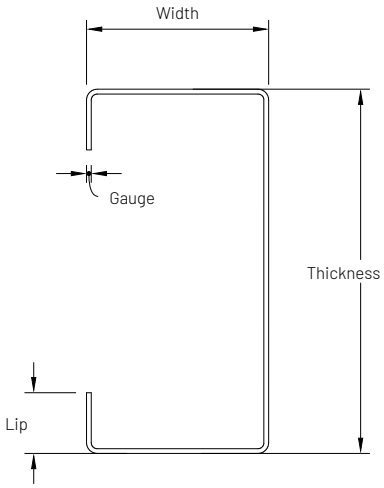
Properties	Results	Requirement	Test method	Information
Density	915 - 960 kg/m^3 0.0331 - 0.0347 lb./in^3			Based on online sources.
Moisture content	0.2%	Less than 5%	EN 15534-1 for 28 days	Infinity materials were evaluated for water absorption properties in accordance with the test method listed to determine dimensional stability. See the report here for further details.
Water absorbtion (Mass)	0.6%	Less than 7%		
Thickness swell (Dimensional)	0.2%	Less than 5%		
Length swell (Dimensional)	0.1%	Less than 0.6%		
Width swell (Dimensional)	0%	Less than 1.2%		

Profile properties

The following table is a summary of the currently available profiles, please see **Appendix A** for profile drawings.



Composite						
Profile ID	**Application Type**	**Width (mm) (in)**	**Thickness (mm) (in)**	**Length (mm) (ft)**	**Mass per meter (kg/m) (lb/ft)**	**Mass per length (kg/board) (lb/board)**
STR08G	LDPE Standard picket	136 (5.35)	11 (0.43)	1829 (6.0)	1.97 (1.33)	3.60 (7.98)
STPETHM03	Dual tone picket standard	136 (5.35)	11 (0.43)	1829 (6.0)	1.82 (1.23)	3.31 (7.38)
STR08F	LDPE Wide picket	202 (7.95)	11 (0.43)	1829 (6.0)	2.92 (1.97)	5.34 (11.82)
STR08K	LDPE Beam insert	73 (2.87)	36.7 (1.44)	2438 (8.0)	1.32 (0.89)	N/A
ST06F	Top cap	145 (5.71)	24 (0.94)	2438 (8.0)	0.87 (0.59)	N/A



Steel							
Profile ID	**Part**	**Width (mm) (in)**	**Thickness (mm) (in)**	**Lip (mm) (in)**	**Gauge (mm) (in)**	**Length (mm) (ft)**	**Mass per meter (kg/m) (lb/ft)**
03.01.02.762381C	Steel lipped channel	76.2 (3.00)	38.1 (1.50)	12.0 (0.50)	1.0 (0.04)	2438 (8.0)	1.05 (0.71)

Mechanical properties

Material specific mechanical properties

LDPE

Mechanical properties of the LDPE Oasis composite are not available presently.

Steel

Typical mechanical properties for ISQ 230 (AMSA) from online sources.

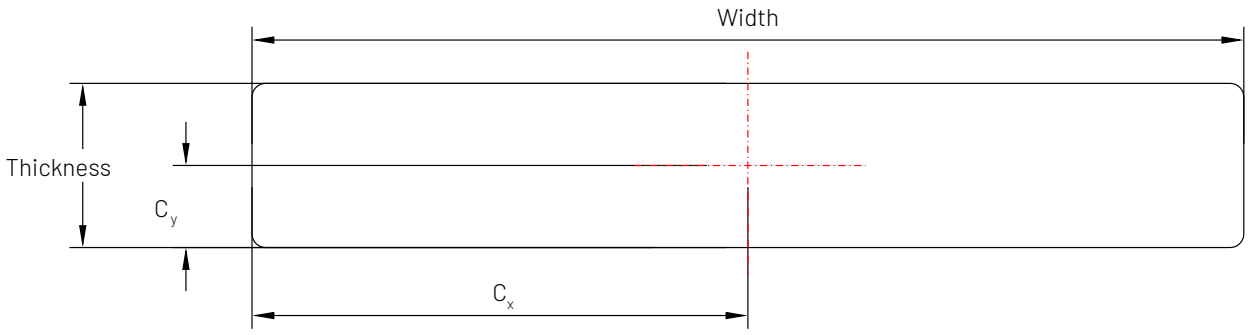
Properties	Value	Notes
Typical yield strength	230 MPa	Typical for ISQ 230 (SANS 4998 Gr220, ASTM A653 Gr230 CS type A, EN 10346 DX 51D, JIS G3302 SGCC).
Ultimate tensile strength	270 to 500 MPa	
Modulus of Elasticity	200 GPa	
Bulk Modulus	160 GPa	
Poisson Ratio	0.29	
Shear modulus	80 GPa	

Profile flexural properties

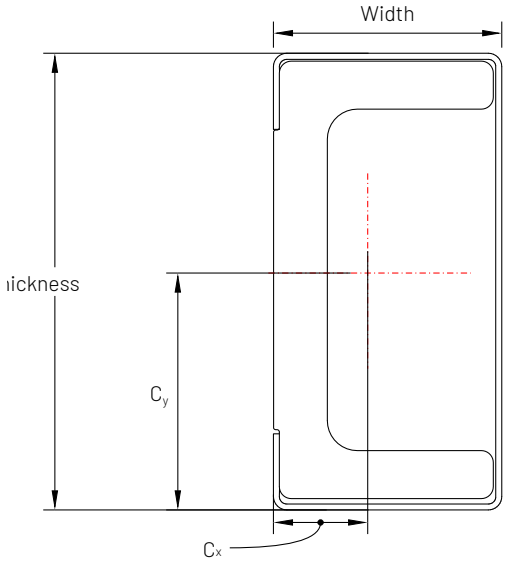
Profile flexural properties are not available presently.

Sectional properties

The following table provides a sectional property summary of the currently available Oasis fence profiles. Please see **Appendix A** for profile drawings and further information.



Profile details					Moments of inertia			Centroid	Elastic sectional modulus		
Profile ID	**Application**	**Width (mm) (in)**	**Thickness (mm) (in)**	**Area (mm^2) (in^2)**	**I_x (mm^4) (in^4)**	**I_x (mm^4) (in^4)**	**C_x (mm) (in)**	**C_y (mm) (in)**	**S_x (mm^3) (in^3)**	**S_y (mm^3) (in^3)**
STR08G	Composite picket	136.0 (5.35)	11.0 (0.43)	1492.5 (2.31)	14 995 (0.04)	2 289 819 (5.50)	68.0 (2.68)	5.5 (0.22)	2 726 (0.17)	33 674 (2.06)
STPETHM03	Composite picket	136.0 (5.35)	11.0 (0.43)	1492.5 (2.31)	14 995 (0.04)	2 289 819 (5.50)	68.0 (2.68)	5.5 (0.22)	2 726 (0.17)	33 674 (2.06)
STR08F	Composite picket	202.0 (7.95)	11.0 (0.43)	2388.8 (3.70)	27 625 (0.07)	8 186 283 (19.67)	101.4 (3.99)	5.9 (0.23)	4 690 (0.29)	80 733 (4.93)
ST06F	Composite top cap	145.0 (5.71)	24.0 (0.94)	3476.5 (5.39)	166 571 (0.40)	6 079 008 (14.61)	72.5 (2.85)	12.0 (0.47)	13 881 (0.85)	83 848 (5.12)



Profile details					Moments of inertia			Centroid	Elastic sectional modulus		
Profile ID	**Application**	**Width (mm) (in)**	**Thickness (mm) (in)**	**Area (mm^2) (in^2)**	**I_x (mm^4) (in^4)**	**I_x (mm^4) (in^4)**	**C_x (mm) (in)**	**C_y (mm) (in)**	**S_x (mm^3) (in^3)**	**S_y (mm^3) (in^3)**
ST08K	Composite Beam insert	73.0 (2.87)	36.7 (1.44)	1081.8 (1.68)	742 271 (1.78)	116 455 (0.28)	24.6 (0.97)	36.5 (1.44)	20 338 (1.24)	4 730 (0.29)
03.01.02.762381C	Steel Lip channel	76.2 (3.00)	38.1 (1.50)	171.5 (0.27)	160 966 (0.39)	36 508 (0.09)	24.6 (0.97)	38.4 (1.51)	4 193 (0.26)	1 481 (0.09)
Assembly ST08L	Assembled beam	76.2 (3.00)	38.1 (1.50)	1253.2 (1.94)	903.250 (2.17)	176 369 (0.42)	38.1 (1.50)	13.8 (0.54)	23 686 (1.45)	7 255 (0.44)

Thermal properties

Thermal properties are not available presently.

Fire reaction properties

Fire reaction properties are not available presently.

Weathering properties

Weathering properties are not available presently.

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Utilisation disclaimer

Legislation may differ between jurisdictions. Before installing any Eva-Last product, ensure that the application is rational and complies with the local regulations and building codes. Wherever necessary, consult a suitably qualified professional. Be sure to comply with material manufacturer specifications. Where manufacturers and building codes differ, revert to the building code requirements. Check that your choice of product is suitable for its intended application. For further product specification and information visit **www.eva-last.com**.

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Eva-Last periodically updates the information contained in this document as well as that of the Eva Last documents that have been referenced herein. Before using this document, please refer to the Eva-Last website (**www.eva-last.com**) for the most up-to-date documents.

Contact information

Eva-Last
Email: info@eva-last.com
Website: www.eva-last.com

Appendix A

Profile

Profile properties	
Product code	STR08G
Sectional area (mm^2)	1492.5
Approximate mass (kg/m)	1.97

Image for illustration purposes only;
finishes and colors may vary.

Sectional properties	
I_x(mm^4)	14 955
I_y(mm^4)	2 289 819
C_x(mm)	68.0
C_y(mm)	5.5
S_x(mm^3)	2 726
S_y(mm^3)	33 674

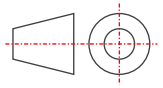
Drawing title

STR08G - Picket - 136 x 11.0

File name

2023-09-20 - Oasis fence TDS

File details



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Date	September 21, 2023
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Scale	NTS

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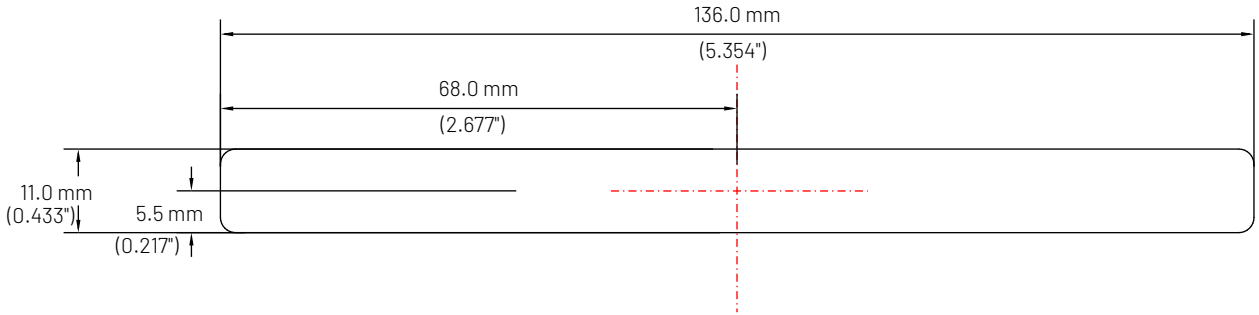


Profile properties	
Product code	STPETHM03
Sectional area (mm^2)	1492.5
Approximate mass (kg/m)	1.82

Image for illustration purposes only;
finishes and colors may vary.

Sectional properties	
I_x(mm^4)	14 955
I_y(mm^4)	2 289 819
C_x(mm)	68.0
C_y(mm)	5.5
S_x(mm^3)	2 726
S_y(mm^3)	33 674

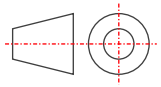
Drawing title

STPETHM03 - Picket - Dualtone - 136 x 11.0

File name

2023-09-20 - Oasis fence TDS

File details



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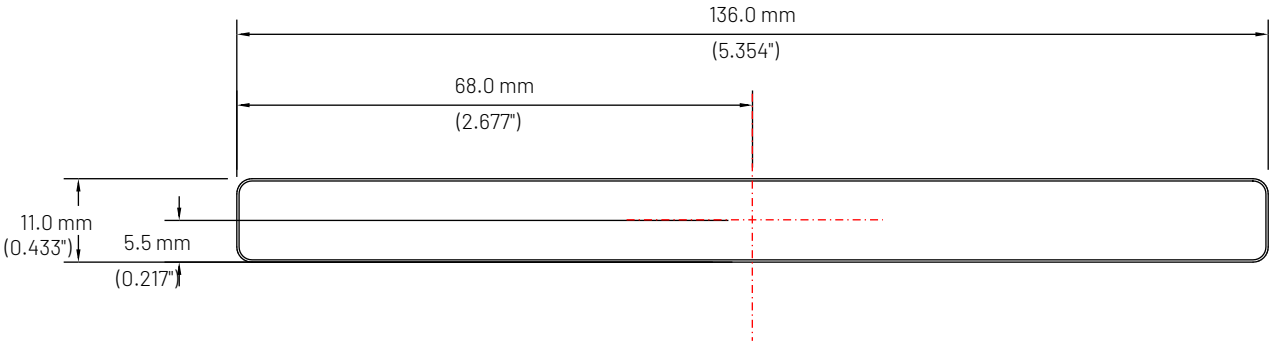


Profile properties	
Product code	STR08F
Sectional area (mm^2)	2 389
Approximate mass (kg/m)	2.92

Image for illustration purposes only;
finishes and colors may vary.

Sectional properties	
I_x(mm^4)	27 625
I_y(mm^4)	8 186 283
C_x(mm)	101.4
C_y(mm)	5.9
S_x(mm^3)	4 690
S_y(mm^3)	80 733

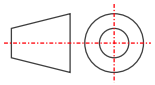
Drawing title

STR08F - Picket - 202 x 11.0

File name

2023-09-20 - Oasis fence TDS

File details



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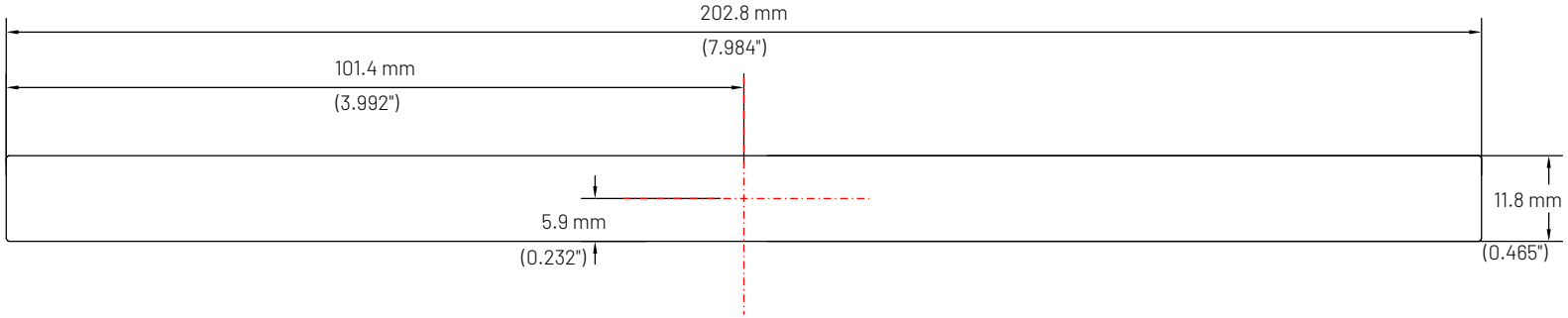


Profile properties	
Product code	STR08F
Sectional area (mm^2)	3 476.5
Approximate mass (kg/m)	0.87

Image for illustration purposes only;
finishes and colors may vary.

Sectional properties	
I_x(mm^4)	166 571
I_y(mm^4)	6 079 008
C_x(mm)	72.5
C_y(mm)	12.0
S_x(mm^3)	13 881
S_y(mm^3)	7 255

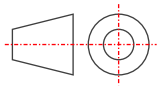
Drawing title

ST06F - Top Cap - 145 x 24.0

File name

2023-09-20 - Oasis fence TDS

File details



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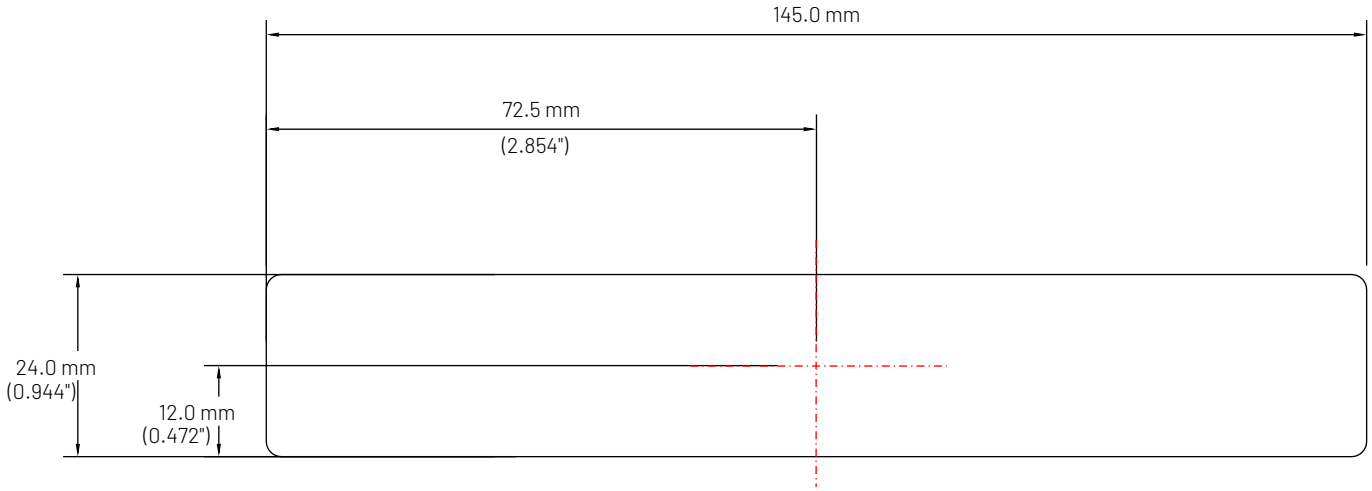


Profile properties

Product code	ST08K
Sectional area (mm²)	1082
Approximate mass (kg/m)	1.37

Image for illustration purposes only; finishes and colors may vary.

Sectional properties

I_x(mm^4)	742 271
I_y(mm^4)	116 455
C_x(mm)	24.6
C_y(mm)	36.5
S_x(mm^3)	20 338
S_y(mm^3)	4 730

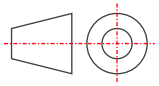
Drawing title

ST08K - Beam insert - 73 x 36.7

File name

2023-09-20 - Oasis fence TDS

File details



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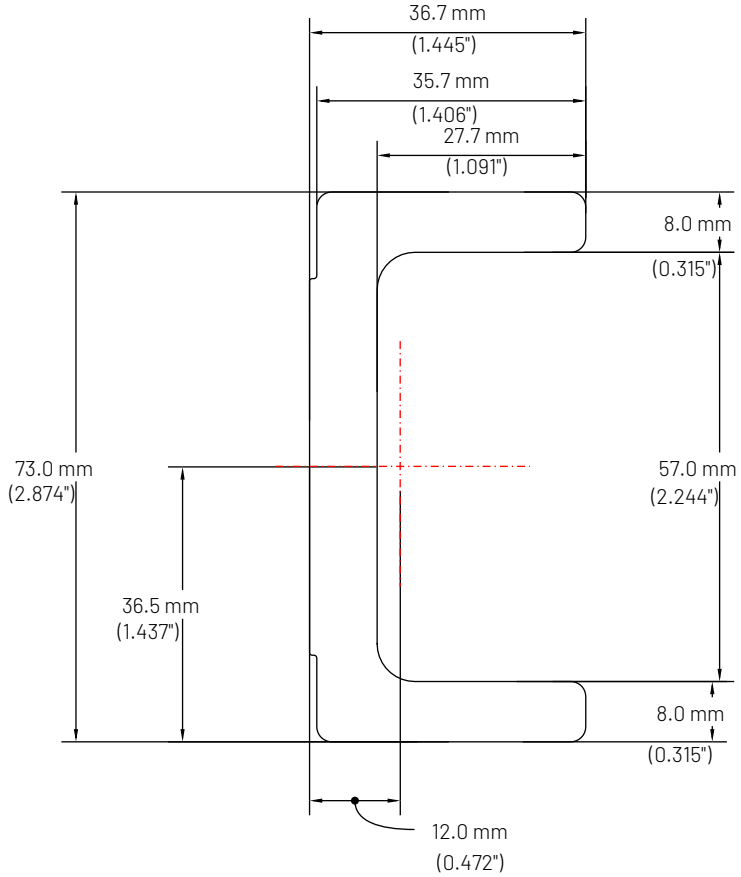
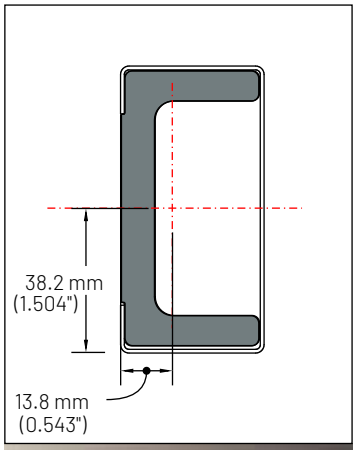




Sectional properties

I_x(mm^4)	903
I_y(mm^4)	176 369
C_x(mm)	38.1
C_y(mm)	13.8
S_x(mm^3)	23 686
S_y(mm^3)	7 255

Profile properties	
Product code	03.01.02.762381C
Sectional area (mm²)	171.5
Approximate mass (kg/m)	1.05

Image for illustration purposes only; finishes and colors may vary.

Sectional properties	
I_x(mm⁴)	160 966
I_y(mm⁴)	36 508
C_x(mm)	24.6
C_y(mm)	38.4
S_x(mm³)	4 193
S_y(mm³)	1 481

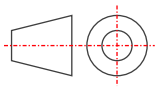
Drawing title

03.01.02-762381C-Lip channel - 76.2 x 38.1

File name

2023-09-20 - Oasis fence TDS

File details



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Scale	NTS

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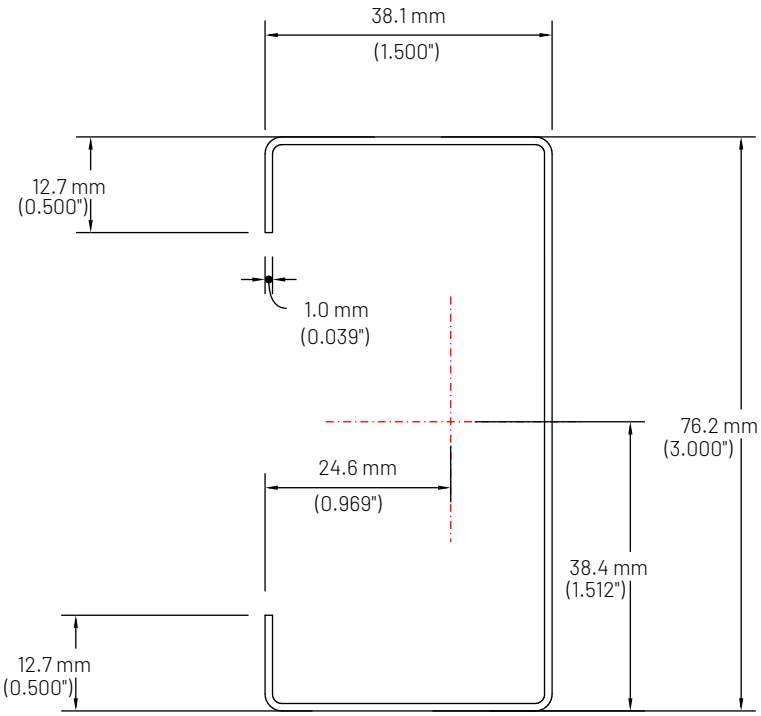

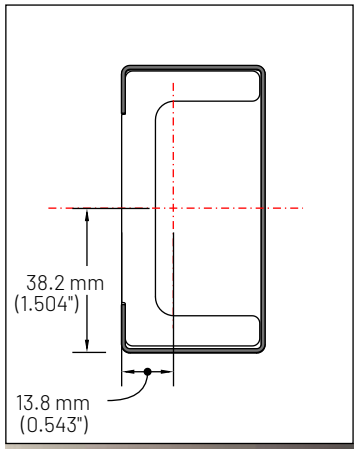

Sectional properties	
I_x(mm⁴)	903
I_y(mm⁴)	176 369
C_x(mm)	38.1
C_y(mm)	13.8
S_x(mm³)	23 686
S_y(mm³)	7 255

Appendix B

Material Compatibility

The following information provides a list of substances that may negatively impact that Infinity cap material. Below is an extensive (not complete) list of common substances and solutions known to influence the surface of cap on Infinity. It is important to check material compatibility when choosing chemicals that the product may encounter, as they may prematurely degrade the product, these may include ingredients in cleaning products, pool additives and even oils and saps from local vegetation.

Symbol legend

The symbols and abbreviations used have the following meanings:

+ = Resistant over a period of months to years.

0 = Limited resistance: some swelling, solvation or environmental stress cracking is possible.

- = Not resistant: severe swelling, decomposition, solvation or environmental stress cracking.

soln. = Saturated aqueous solution.

Resistance definition

Good resistance: Water, aqueous salt solutions, detergent solutions, dilute acids, and alkalis.

Limited resistance: Alcohols, aliphatic hydrocarbons, oils, and fats.

Not resistant: Concentrated mineral acids, aromatic and/or halogenated hydrocarbons, esters, ethers, ketones.

Solvents: Examples are methyl ethyl ketone, tetrahydrofuran, toluene, dimethyl-formamide.

Source data:

BASF – Chemical resistance of styrene co-polymers – www.basf.de/plastics

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Acetone		o	-	o	
Acetaldehyde*	100%	o	-	o	
Acetic Acid*	10%	+	+	+	
Acetic Acid*	60%	+	o	+	
Acetic Anhydride*		-	-	-	
Air		+	+	+	
Aluminium Chloride	all conc	+	+	+	
Aluminium Fluoride	all conc	+	+	+	
Aluminium Sulphate	all conc	+	+	+	
Alums	all types	+	+	+	
Ammonia	100% dry gas	+	+	+	
Ammonium Carbonate		+	+	+	
Ammonium Chloride	sat'd	+	+	+	
Ammonium Fluoride	sat'd	+	+	+	
Ammonium Hydroxide	10%	+	+	+	
Ammonium Hydroxide	28%	+	+	+	
Ammonium Nitrate	sat'd	+	+	+	
Ammonium Persulphate	sat'd	+	+	+	
Ammonium Sulphate	sat'd	+	+	+	
Ammonium Metaphosphate	sat'd	+	+	+	

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Ammonium Sulfide	sat'd	+	+	+	
Amyl Acetate#*	100%	-	-	-	
Amyl Alcohol#*	100%	+	+	+	
Amyl Chloride#	100%	-	-	-	
Aniline#*	100%	+	-	-	
Aqua Regia+		-	-	-	
Arsenic Acid	all conc	+	+	+	
Aromatic Hydrocarbons#*		-	-	-	
Ascorbic Acid	10%	+	+	+	
Barium Carbonate	sat'd	+	+	+	
Barium Chloride	sat'd	+	+	+	
Barium Hydroxide		+	+	+	
Barium Sulphate	sat'd	+	+	+	
Barium Sulphide	sat'd	+	+	+	
Beer		+	+	+	+
Benzene#*		-	-	-	-
Benzoic Acid	all conc	+	+	+	+
Bismuth Carbonate	sat'd	+	+	+	+
Bleach Lye	10%	+	+	+	+
Borax	sat'd	+	+	+	+
Boric Acid	all conc	+	+	+	+

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Boron Trifluoride		+	+	+	+
Brine		+	+	+	+
Bromine+	liquid	-	-	-	-
Bromine Water#	sat'd	-	-	-	-
Butanediol*	10%	+	+	+	+
Butanediol*	60%	+	+	+	+
Butanediol*	100%	+	+	+	+
Butter*		+	+	+	+
n-Butyl Acetate#*	100%	o	-	+	o
n-Butyl Alcohol*	100%	+	+	+	+
Butyric Acid#	conc	-	-	-	-
Calcium Bisulphide		+	+	+	+
Calcium Carbonate	sat'd	+	+	+	+
Calcium Chlorate	sat'd	+	+	+	+
Calcium Chloride	sat'd	+	+	+	+
Calcium Hydroxide	conc	+	+	+	+
Calcium Hypochloride	bleach sol	+	+	+	+
Calcium Nitrate	50%	+	+	+	+
Calcium Oxide	sat'd	+	+	+	+
Calcium Sulphate		+	+	+	+
Camphor Oil#*		-	-	o	-
Carbon Dioxide	all conc	+	+	+	+
Carbon Disulphide		-	-	-	-
Carbon Monoxide		+	+	+	+
Carbon Tetrachloride#		-	-	o	-
Carbonic Acid		+	+	+	+
Castor Oil*	conc	+	+	+	+
Chlorine+	100% dry gas	o	-	-	-
Chlorine Liquid+		-	-	-	-
Chlorine Water+	2% sat'd sol	+	+	+	+
Chlorobenzene#*		-	-	-	-
Chloroform*#		-	-	o	-
Chlorosulphonic Acid	100%	-	-	-	-
Chrome Alum	sat'd	+	+	+	+
Chromic Acid	80%	-	-	-	
Chromic Acid	50%	+	o	+	
Chromic Acid	10%	+	+	+	
Cider*		+	+	+	
Citric Acid*	sat'd	+	+	+	
Coconut Oil Alcohols*		+	+	+	
Coffee		+	+	+	
Cola Concentrate*		+	+	+	
Copper Chloride	sat'd	+	+	+	

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Copper Cyanide	sat'd	+	+	+	
Copper Fluoride	2%	+	+	+	
Copper Nitrate	sat'd	+	+	+	
Copper Sulphate	sat'd	+	+	+	
Corn Oil*		+	+	+	
Cottonseed Oil*		+	+	+	
Cuprous Chloride	sat'd	+	+	+	
Detergents Synthetic*		+	+	+	
Developers Photographic		+	+	+	
Dextrin	sat'd	+	+	+	
Dextrose	sat'd	+	+	+	
Diazo Salts		+	+	+	
Dibutylphthalate*		o	o	o	
Dichlorobenzene#*		-	-	-	
Diethyl Ketone#*		o	-	o	
Diethylene Glycol*		+	+	+	
Diglycolic Acid*		+	+	+	
Dimethylamine		-	-	-	
Disodium Phosphate		+	+	o	
Emulsions, Photographic*		+	+	+	
Ethyl Acetate#*	100%	o	-	o	
Ethyl Alcohol*	100%	+	+	+	
Ethyl Alcohol*	35%	+	+	+	
Ethyl Benzene#*		-	-	-	
Ethyl Chloride#		-	-	-	
Ethyl Ether#		-	-	-	
Ethylene Chloride#*		-	-	-	
Ethylene Glycol*		+	+	+	
Fatty Acids*		+	+	+	
Ferric Chloride	sat'd	+	+	+	
Ferric Nitrate	sat'd	+	+	+	+
Ferrous Chloride	sat'd	+	+	+	+
Ferrous Sulphate		+	+	+	+
Fish Solubles*		+	+	+	+
Fluoboric Acid		+	+	+	+
Fluosillcic Acid	conc	+	o	+	o
Fluosillcic Acid	32%	+	+	+	+
Formic Acid	all conc	+	+	+	+
Fructose	d	+	+	+	+

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Fruit Pulp*		+	+	+	+
Furtural#	100%	-	-	o	-
Furturyl Alcohol#*		-	-	o	-
Gallic Acid*		+	+	+	+
Gasoline#*		-	-	o	o
Glucose		+	+	+	+
Glycerine*		+	+	+	+
Glycol*		+	+	+	+
Glycolic Acid*	30%	+	+	+	+
Grape Sugar		+	+	+	+
n-Heptane#*		-	-	o	o
Hexachlorobenzene		+	+	+	-
Hexanol Tertiary*		+	+	+	+
Hydrobromic Acid	50%	+	+	+	+
Hydrochloric Acid	all conc	+	+	+	+
Hydrocyanic Acid	sat'd	+	+	+	+
Hydrofluoric Acid*	60%	+	+	+	+
Hydrogen		+	+	+	+
Hydrogen Chloride	dry gas	+	+	+	+
Hydrogen Peroxide	30%	+	+	+	+
Hydrogen Peroxide	10%	+	+	+	+
Hydrogen Sulphide		+	+	+	+
Hydroquinone		+	+	+	+
Hypochlorous Acid conc.	conc.	+	+	+	+
Inks*		+	+	+	+
Iodine+ in KI sol'n	in KIsol'd	o	-	o	
Isopropyl Alcohol	100%	-	-	-	
Lead Acetate	sat'd	+	+	+	
Lead Nitrate		+	+	+	
Lactic Acid*	20%	+	+	+	
Linseed Oil*	100%	o	-	o	
Magnesium Carbonate	sat'd	+	+	+	
Magnesium Chloride	sat'd	+	+	+	
Magnesium Hydroxide	sat'd	+	+	+	
Magnesium Nitrate	sat'd	+	+	+	
Magnesium Sulphate	sat'd	+	+	+	
Mercuric Chloride	40%	+	+	+	
Mercuric Cyanide	sat'd	+	+	+	
Mercury		+	+	+	
Methyl Alcohol*	100%	+	+	+	
Methylethyl Ketone#*	100%	o	-	o	

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Methylene Chloride#*	100%	-	-	o	
Milk		+	+	+	
Mineral Oils#		o	-	o	
Molasses		+	+	+	
Naphtha#*		o	-	o	
Naphthalene#*		-	-	o	
Nickel Chloride	conc	+	+	+	
Nickel Nitrate	sat'd	+	+	+	
Nickel Sulphate	conc	+	+	+	
Nicotine*	dilute	+	+	+	
Nitric Acid	0-30%	+	+	+	
Nitric Acid+	30-50%	+	o	+	
Nitric Acid+	70%	+	o	+	
Nitric Acid+	95-98%	-	-	-	
Nitrobenzene#*	100%	-	-	-	
n-Octane		+	+	+	
Oleic Acid		o	-	o	
Oxalic Acid*	sat'd	+	+	+	
Perchloroethylene#		-	-	-	
Phosphoric Acid	95%	+	o	+	
Photographic Solutions		+	+	+	
Plating Solutions*					
Brass		+	+	+	+
Cadmium		+	+	+	+
Chromium		+	+	+	+
Copper		+	+	+	+
Gold		+	+	+	+
Indium		+	+	+	+
Lead		+	+	+	+
Nickel		+	+	+	+
Rhodium		+	+	+	+
Sliver		+	+	+	+
Tin		+	+	+	+
Zinc		+	+	+	+
Potassium Bicarbonate	sat'd	+	+	+	+
Potassium Bromide	sat'd	+	+	+	+

REAGENT	CONC.	LDPE		HDPE	
		70°	140°	70°	140°
Potassium Bromate	10%	+	+	+	+
Potassium Carbonate		+	+	+	+
Potassium Chlorate	sat'd	+	+	+	+
Potassium Chloride	sat'd	+	+	+	+
Potassium Chromate	40%	+	+	+	+
Potassium Cyanide	sat'd	+	+	+	+
Potassium Dichromate	40%	+	+	+	+
Potassium Ferri/Ferro	Ferro				
Cyanide	sat'd	+	+	+	+
Potassium Fluoride		+	+	+	+
Potassium Hydroxide	conc	+	+	+	+
Potassium Nitrate	sat'd	+	+	+	+
Potassium Perborate	sat'd	+	+	+	+
Potassium Perchlorate	10%	+	+	+	+
Potassium Permanganate	20%	+	+	+	+
Potassium Persulphate	sat'd	+	+	+	+
Potassium Sulphate	conc	+	+	+	+
Potassium Sulphide	conc	+	+	+	+
Potassium Sulphite	conc 100%	+	+	+	+
Propargyl Alcohol*		+	+	+	+
n-Propyl Alcohol*		+	+	+	+
Propylene Dichloride#*		-	-	-	-
Propylene GlyCol*	sat'd	+	+	+	+
Pyridine*		+	-	+	-
Resorcinol		+	+	+	+
Salicylic Acid	sat'd	+	+	+	+
Sea Water		+	+	+	+
Selenic Acid Shortening*	any conc	+	+	+	+
Sliver Nitrate Sol'n		+	+	+	+
Soap Solutions*	any conc	+	+	+	+
Sodium Acetate	sat'd	+	+	+	+
Sodium Benzoate	35%	+	+	+	+
Sodium Biscarbonate	sat'd	+	+	+	+
Sodium Bisulphate	sat'd	+	+	+	+
Sodium Bisulphite	sat'd	+	+	+	+
Sodium Borate	dilute	+	+	+	+
Sodium Bromide	dilute	+	+	+	+
Sodium Carbonate	conc	+	+	+	+
Sodium Chlorate	sat'd	+	+	+	+
Sodium Chloride	sat'd	+	+	+	+
Sodium Cyanide	sat'd	+	+	+	+
Sodium Dichromate	sat'd	+	+	+	+