Product Specification
CES 500-V Vertical Flow Media

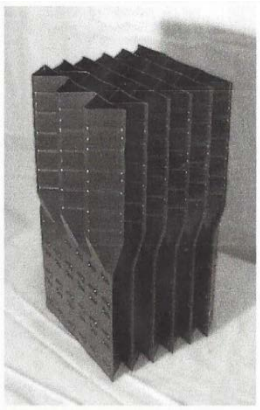
C. E. Shepherd Company

Product Description

CES 500-V is a vertical flow surface media constructed from PVC sheets designed for municipal and industrial waste water treatment processes including and carbonaceous BOD reduction. Configured for optimal flow, CES 500-V eliminates niches where fouling might occur but maximizes effective surface area. The slope assures proper distribution for oxygen transfer and effective waste removal.

The PVC sheets comprising the CES 500-V modules are thermoformed into rigid structures that are self - extinguishing, UV protected and impervious to rot, fungi, bacteria and chemical compounds typically found in wastewater streams.

The CES 500-V modules are constructed from 12 sheets per foot of module width allowing the units to easily support the weight of CES Crossflow Surface Media in mixed media applications.



CES 500-V

Applicable Commercial Standards

Property	Test Method	Typical Values
Specific Gravity	ASTM-D792	1.41 ± 0.04
Tensile Strength (psi)	ASTM-D638	5500 min
Tensile Modulus (psi)	ASTM-D638	3.5 x 10^5 min
Flexural Strength (psi)	ASTM-D790	10,000 min
Flexural Modulus	ASTM-D790	3.5 x 10^5 min
Heat Distortion Temperature (°F)	ASTM-D648	162 min
Flammability 1	UL94 Vertical Burning	94V-0
Flammability 2	UL94 Horizontal Burning	94H-B
Flame Spread	ASTM-E84	25 or less

ASTM methods shown above are based on the Annual Book 1999 and have been modified to suit practical conditions.

For dimensions and/or physical properties different from those listed above or special requirements including weatherability, flammability, etc., contact CES for agreement on the specifications.

Statements and methods presented are based upon the best available information and practices known to CES. Because conditions of use may vary and are beyond our control, CES makes no warranty, expressed or implied, concerning the use of products. The user should undertake sufficient tests to determine the suitability for any intended use of the material. CES assumes no responsibilities for the use of information presented herein and hereby disclaims all liability in regard to such use. No statements are intended or should be construed as a recommendation to infringe any patent.

Nominal Product Dimensions

Description	Units	Value
Sheet Thickness (avg)	Mils	32
Flute Height	Inches	2.0
Flute Width	Inches	4.0
Flute Corrugation Angle	Degrees	45
Surface Area	SF/CF	30
Module Depth	Inches	23.6
Module Width	Inches	10.0
Module Length	Feet	11.0

Custom module sizes and thickness can be tailored to customer specification. Contact CE Shepherd Co for details.

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