

# Product Specification

## CES V-Bar Splash Fill



### Product Description

CES V-Bar Splash fill is manufactured from extruded PVC including an additive of either carbon black or titanium dioxide as a UV inhibitor. The bars are available in nominal 4" width and is in compliance with CTI STD-136. Provided support spans do not exceed 24", the fill bars will operate satisfactorily at temperatures up to 140°F.

The design of the fill bars includes a perforated surface to promote water droplet formation. The bars can be oriented either parallel to airflow or perpendicular depending on the preference of the cooling tower designer. The bars can be installed without a fastening device; however, we recommend the use of a retainer clip/wear pad (as shown in the photograph to the right) to reduce wear at the support point and subsequent premature erosion.



CES  
V-Bar

### Applicable Commercial Standards

Property	Test Method	Typical Values
Specific Gravity	ASTM-D792	1.46
Tensile Strength (psi)	ASTM-D638	6010 min
Tensile Modulus (psi)	ASTM-D638	4.33 x 10 <sup>5</sup> min
Flexural Strength (psi)	ASTM-D790	15,000 min
Flexural Modulus	ASTM-D790	4.22 x 10 <sup>5</sup> min
Heat Distortion Temperature (°F)	ASTM-D648	163
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.

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### Product Dimensions

Description	Units	Value
Profile Thickness	Mils	50
Profile Width	Inches	3.75
Profile Height	Inches	1.75
Profile Length	Inches	Unlimited
Wetted Surface Area (per side)	IN <sup>2</sup> /LF	44.5
Profile Weight	LBS/LF	.12

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