

CAPACEON AUTOMOTIVE AIR FILTER MEDIA



Established in 1843, Hollingsworth & Vose Company is a global leader in the supply of technically advanced nonwoven and specialty papers used in electronics, battery, filtration, and industrial applications. H&V drives value in customers' products by inventing next-generation materials with superior performance. The company operates manufacturing sites and research centers in the Americas, Europe, and Asia.



CAPACEON[™]

Capaceon[™], a new category of high-performance automotive air filter media, has been specifically designed to meet the growing needs of original equipment (OE) applications. Available in three basis weights to cover a broad array of filter design requirements, Hollingsworth & Vose's Capaceon media offers significantly increased dust-holding capacity when compared to currently available products. This superior media combines unprecedented service life with the industry's greatest water and smolder resistance.

High dust-holding capacity

Capaceon automotive air filter media offers 10% to 30% higher dust-holding capacity at equal basis weights compared to current media. Grade basis weights extend from 78 pounds to 95 pounds per 3,000 ft² to cover an extensive range of product applications — from aftermarket to OE design requirements.

Improved efficiency

Capaceon filter media offers improvements in initial efficiency across all basis weights. This increases overall filter efficiency compared to benchmarked grades currently used.

High water resistance

Capaceon media is treated with solvent-based phenolic resins to offer superior water resistance in panel air filter designs.

S1 smolder resistance

Capaceon automotive air filter media is treated to achieve a Ford smolder rating of S1, making it resistant to char propagation in finished filters. This treatment is GADSL-compliant and does not utilize heavy metals or halogen-containing compounds.

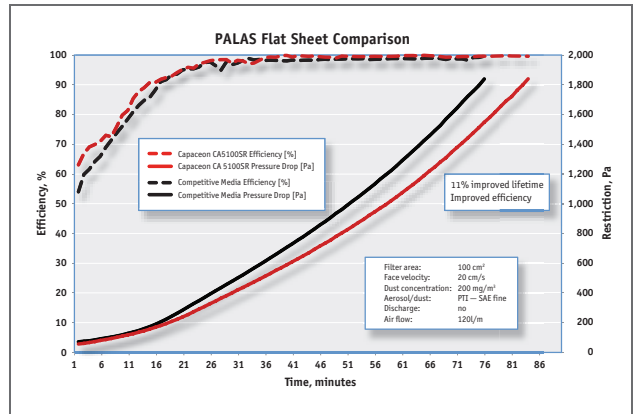
Fully cured resin system

Capaceon media utilizes a phenolic resin system that is pre-cured to a minimum of 70% of full cure potential. So Capaceon will have very low media emissions during processing into panel filters, and will not require a post-pleating curing process. This results in energy savings for customers and helps promote a more pleasant work environment for their employees.



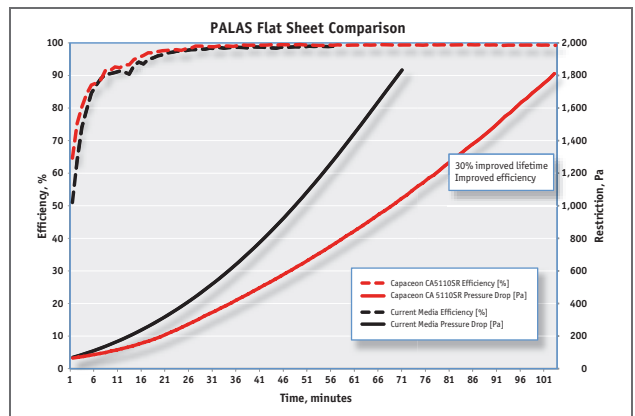
Capaceon Grade CA5100SR vs. Current Media

- 11% higher dust-holding capacity
- Improved efficiency



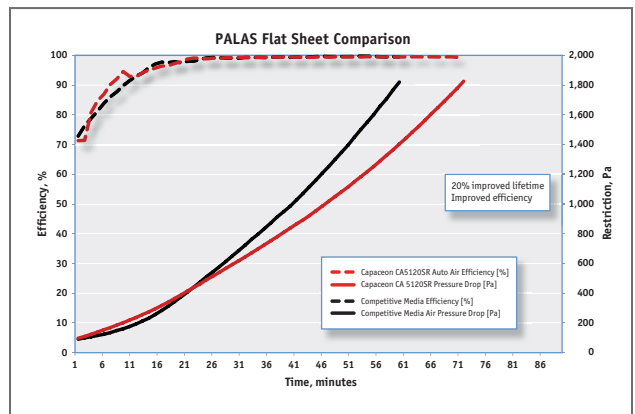
Capaceon Grade CA5110SR vs. Current Media

- 30% higher dust-holding capacity
- Improved efficiency



Capaceon Grade CA5120SR vs. Current Media

- 20% higher dust-holding capacity
- Improved efficiency



Testing Conditions: filter area: 100 cm²; face velocity: 20 cm/s; dust concentration: 200 mg/m³; aerosol/dust: PTI-SAE fine; discharge: no; air flow: 120 l/min



Hollingsworth & Vose

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Grade	Basis Weight, lb/3,000 ft ²	Frazier Permeability, cfm	Thickness, inches	Max. Pore Size, microns
CA5100	95	84	0.032	89
CA5110	80	90	0.024	97
CA5120	78	57	0.025	68