CORNING

# Corning® DuraTrap® GC Filters

**High filtration efficiency of fine particulate emissions for gasoline engines**

Meet tomorrow's emissions standards today with Corning® DuraTrap® GC filters. Designed for high filtration efficiency and excellent pressure drop, our portfolio of filter products is expanding to meet the needs of gasoline and hybrid vehicles facing real-world-driving emissions regulations.

Our cordierite filters feature optimized microstructures to meet filtration efficiency and pressure drop needs for un-catalyzed and catalyzed applications.

**Contact Us**
Corning.com/EnvironmentalTechnologies
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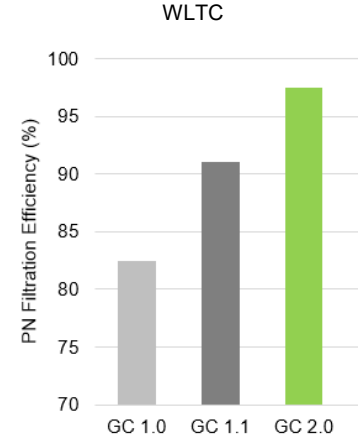
# Corning® DuraTrap® GC Filters

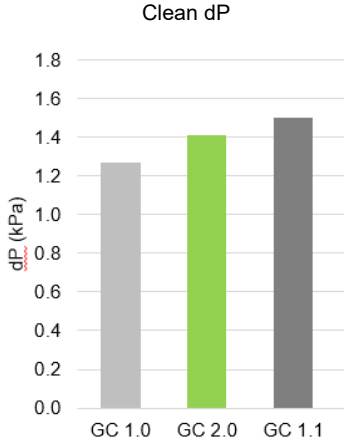
DuraTrap® GC particulate filters for gasoline vehicles offer several advantages for our customers to meet tightening global emissions standards:

- Meet tough particulate filtration efficiency targets with best-in-class pressure drop to preserve engine performance
- Broad product portfolio for all current and future market needs
- For *un-catalyzed applications* our new GC 2.0 filters achieve highest filtration efficiency targets for most stringent regulations
- For *catalyzed applications* our innovative GC HP 2.0 product delivers improved filtration with high washcoat load capability for outstanding catalytic performance
- Application integration across the full spectrum of possible solutions: From close-coupled to underfloor. From catalyzed to uncatalyzed.

## GC filters for un-catalyzed applications



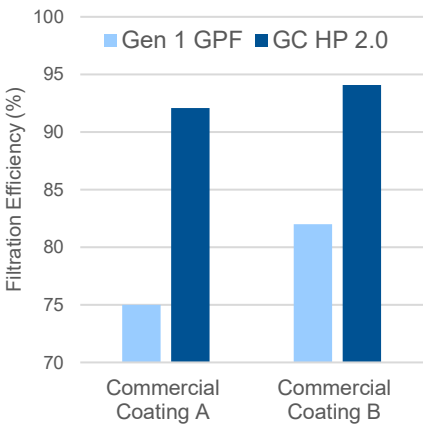

*Vehicle testing on chassis dyno*




*Cold flow pressure drop at 357 $m^3/h$*

| DuraTrap Filters | Cell Design | Porosity | Filtration Efficiency |
|---|---|---|---|
| **GC 1.0** | 200/8 | ~55% | |
| **GC 1.1** | 200/8 | ~55% | |
| **GC 2.0** | 200/8 | ~55% | |

## GC HP filters for catalyzed applications




- In-house WLTC Cycle Analysis on a typical compact SUV (catalyzed)
- GC HP 2.0 improved performance has been confirmed in lab and on-vehicle testing

| DuraTrap Filters | Cell Design | Porosity | Filtration Efficiency |
|---|---|---|---|
| **GC HP 1.1** | 300/8 | ~65% | |
| **GC HP 1.2** | 300/8 | ~65% | |
| **GC HP 2.2** | 300/8 | ~65% | |

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