

# micronAir<sup>®</sup>

## MICRONAIR INTEGRATED GASKET SOLUTION

NON-PU SEAL FOR MAXIMUM PERFORMANCE





### **MICRONAIR**

#### **RELIABLE ENGINE PROTECTION**

Modern high-performance engines need clean air to reach their maximum potential. Based on nonwovens technology, micronAir® has developed a fully synthetic engine intake air filter that effectively protects against natural impurities (pollen, dust, sand, etc.) and industrial pollution (soot, abrasion, emissions, etc.). In this way, the filter supports the smooth functioning of the engine while protecting both the engine and sensitive electronics from damage.

#### micronAir® Integrated Gasket Solution: Engine intake air filter with integrated seal

The next-generation engine intake air filter has arrived. The micronAir® Integrated Gasket Solution is an engine intake air filter that does not need a separate seal. The principle is simple but effective. Using a special mounting frame, the reinforced nonwoven fabric frame is so tightly pressed into the plastic housing that no contaminants can pass through the sides.

micronAir® Integrated Gasket Solution is more effective than standard filters and offers tangible benefits

- 30 % to 40 % less weight micronAir® Integrated Gasket Solution is not only more effective but also significantly lighter than standard engine intake air filters.
- Saves space micronAir® Integrated Gasket Solution uses a smaller filter area to achieve the same performance.
- Perfect fit
  micronAir® Integrated Gasket Solution improves the use of available space this actively contributes
  to the fulfillment of the EU pedestrian protection guidelines.
- Much longer operational life
   Thanks to the fully synthetic material's excellent depth loading filtration performance, the life time of the filter is increased and initial filtration performance improved. It is also resistant to ingress of water.
- 100% safety
  micronAir® Integrated Gasket Solution engine intake air filters are self-extinguishing to DIN 53438, making
  them much safer than standard filters in this respect. They also offer optimal system protection to ISO 5011.
- Direct disposal
   After removal, the filter can be directly disposed of in its entirety. There is no need to separate materials.

#### Practical test passed

The micronAir® Integrated Solution engine intake air filter was installed in a Smart test vehicle. After completing a standard service interval fixed mileage, the result is clear: the filter functioned perfectly.









#### Preferred partner of the automotive industry

Freudenberg Filtration Technologies is the innovation leader and preferred development partner for cabin air filtration solutions in the automotive industry. Our fully synthetic filters also bring measurable benefits to engine

intake air filtration, far in advance of standard filters. With our new seal-free micronAir® Integrated Gasket Solution, Freudenberg Filtration Technologies has set a new standard in engine intake air filtration.

