

EDGE - BONDED FLAT GASKETS

„Maximum tightness and durability“

AREAS OF APPLICATION

- Battery housings & cell modules
- Power electronics & control units
- Cooling & thermal management systems
- Charging systems & high-voltage components
- Hydraulic systems, motors & transmissions
- Pneumatic systems



Carrier material	Stainless steel, aluminum or zinc-coated steel for high stability and corrosion protection as well as plastic for special applications
Material options	FKM, NBR , HNBR, AEM or EPDM
Material development	Specially coordinated material mixtures for the highest customer requirements
Temperature range	-40 °C to +250 °C
Optimum compensation of the sealing gap	Good adaptability to different sealing surfaces
IP protection class	IP67, IP6K9K according to ISO20653
Resistance to oils, coolants and lubricants	Prevention of leakage and damage to the seal by selecting the right material against different media
Resistance in the salt spray test	Tested in accordance with VDA 233-102 for maximum corrosion resistance
Corrosion protection	Carrier material made of stainless steel or coated aluminum offers long-term durability
Vibration & shock resistance	Ideal for dynamic loads in vehicle applications
Pressure ranges	<p>Low pressure range: can be used up to approx. 10 bar without any problems</p> <p>Medium pressure range: up to approx. 40-60 bar depending on design and material mix</p> <p>High pressure range: possible with metal carriers and high-performance elastomers up to 250 bar</p>

A summary of the advantages

- Customer-friendly handling enables quick and easy installation
- Provides reliable EMC protection
- Optimized sealing against environmental influences & temperature fluctuations
- Durability & resistance to pressure, temperature and media
- Solutions adapted to customer requirements in the design of the sealing profile

