



## SILICON CARBIDE (SiC) DPFs

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### WHAT IS SiC?

The BM Catalysts premium range of DPFs is made using silicon carbide as opposed to cordierite which is used in the standard range of DPFs. It is a compound of silicon and carbide. Also known as carborundum, it is a material widely used in applications that require high thermal or strength endurance. It is mass produced as a powder which can be bonded together using heat to form a ceramic.

SiC has a wide variety of uses within several industries thanks to its low production cost and high thermal and strength endurance. Uses include sealants, car brakes, plates and clutches, furnaces, abrasive machinery, engineering and structural supports in nuclear power stations.

- 99% filtration efficiency
- Melting point of 2,700°C
- 3-year warranty
- High thermal and strength endurance

EXCEEDING EXPECTATIONS

**BM**  
CATALYSTS  
PREMIUM



### WHY WE USE SiC IN OUR PREMIUM RANGE

It has a melting point of 2,700°C so is extremely unlikely to melt during regeneration. It has to be made from small segments fixed together with special cement to enable it to cope with heat expansion. It also boasts 99% filtration efficiency.

### PROPERTIES OF SiC

- High thermal conductivity
- Low thermal expansion
- Thermal shock resistant
- Semiconductor
- Corrosive resistant
- Does not melt at any known pressure
- One of the strongest known materials – second to diamond

### RANGE

Our range of SiC DPFs is offered with a 3-year warranty against manufacturing defects. A significant number of our standard DPFs are available in the premium range, which is denoted by the "P" suffix.

The range covers a magnitude of vehicles including:

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|-----------------|------------|
| • Alfa Romeo    | • Nissan   |
| • Chrysler      | • Peugeot  |
| • Citroen       | • Renault  |
| • Fiat          | • Saab     |
| • Ford          | • Seat     |
| • Lancia        | • Suzuki   |
| • Mazda         | • Vauxhall |
| • Mercedes-Benz | • VW       |
| • Mini          | • Volvo    |
| • Mitsubishi    |            |





# EXCEEDING EXPECTATIONS IN EVERYTHING WE DO

As Europe's leading manufacturer of aftermarket hot end emissions products, you would expect us to deliver a wide range of quality focussed parts that are easy to order. What you may not expect is a company that has an ethos of continual investment and improvement to deliver the best possible working partnerships.

When you work with us, you will find that our approach is focussed on exceeding the aftermarket's expectations on quality. However, we also believe in working in partnership, helping you to increase your profits, offer a wider range and reduce your stock holdings so that you can ensure your customers have the very best choice available.

By aligning our business to suit your needs, we can offer bespoke solutions that are specific to your customers. We know that details matter so we invest in quality with our own best-in-class manufacturing processes.

We lead the way in providing practical and fitting support as well as cataloguing assistance, so can help you every step of the way.

BM Catalysts bring precision engineering and partner-first service to your business. Everything we do is dedicated to exceeding your expectations.