

## 150 CPSI SPECIFICATION



### Specifications 150 CPSI

Material Code	F220
Material	100% Re-SiC
CPSI coding	150
CPSI - calculated cells per square inch	146
CPScm - calculated cells per square centimeter	22,65
Cell size, wall width - mm	1,6 x 1,6
Wall thickness - mm / 1000/inch	0,5 / 20
Pitch = wall width + wall thickness - mm	2,1
Pore size - $\mu\text{m}$ / 1000/mm	12-15
Porosity - % - liquid absorption	-45
Permeability ( $10 \times 10^{-12}/\text{m}^2$ Darcy) at 20°C	0,50
Delta P, kPa, wall face velocity 2 cm/s at 20°C	0,6
Filtration efficiency - % - clean filter - PM10	>98
Filtration efficiency - % - 10% loaded filter	>99
Specific SiC weight - massive material density - $\text{kilo}/\text{dm}^3$	3,2
Specific DPF weight - porous wall density - $\text{kilo}/\text{dm}^3$	1,8
Monolith weight - bulk density - $\text{kilo}/\text{dm}^3$	0,85
Monolith filter area - $\text{m}^2 / \text{dm}^3$ volume = $((1/\text{pitch} \times 1/\text{pitch}) \times 4 \times \text{wall width} \times 1) / 2$	0,73