

250 CPSI SPECIFICATION



Specifications 250 CPSI

Material Code	F280
Material	100% Re-SiC
CPSI coding	250
CPSI - calculated cells per square inch	250
CPScm - calculated cells per square centimeter	38,85
Cell size, wall width - mm	1,0 x 1,0
Wall thickness - mm / 1000/inch	0,33 /
Pitch = wall width + wall thickness - mm	
Pore size - μm / 1000/mm	6-12
Porosity - % - liquid absorption	43 -/+2
Permeability ($10 \times 10^{-12}/\text{m}^2$ Darcy) at 20°C	
Delta P, kPa, wall face velocity 2 cm/s at 20°C	
Filtration efficiency - % - clean filter - PM10	>98
Filtration efficiency - % - 10% loaded filter	>99
Specific SiC weight - massive material density - kilo/dm ³	
Specific DPF weight - porous wall density - kilo/dm ³	
Monolith weight - bulk density - kilo/dm ³	
Monolith filter area - m ² / dm ³ volume = ((1/pitch x 1/pitch) x 4 x wall width x 1) / 2	