

**Standard Open-Cell Metal Foams**

Material	Average Pore Diameter	Dimensions ( $\pm 0.5$ mm)		
		50 x 50 x ...	100 x 100 x ...	150 x 150 x ...
Copper Foams	$\pm 110 \mu\text{m}$	0.5 – 0.7		
	$\pm 220 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 330 \mu\text{m}$	1 – 10	1 – 2	
	$\pm 550 \mu\text{m}$	2 – 10	2 – 4	
	$\pm 1000 \mu\text{m}$	2 – 10	2 – 4	2
	$\pm 1600 \mu\text{m}$	2 – 15	2 – 8	2 – 3
Copper-Silver Foams	$\pm 110 \mu\text{m}$	0.5 - 0.7		
	$\pm 220 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 330 \mu\text{m}$	1 – 10	1 – 2	
	$\pm 550 \mu\text{m}$	2 – 10	2 – 4	
	$\pm 1000 \mu\text{m}$	2 – 10	2 – 4	2
	$\pm 1600 \mu\text{m}$	2 – 15	2 – 8	2 – 3
Nickel Foams	$\pm 220 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 330 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 550 \mu\text{m}$	2 – 5	2	
	$\pm 1000 \mu\text{m}$	2 – 8	2 – 4	
	$\pm 1600 \mu\text{m}$	2 – 10	2 – 8	
Iron Foams	$\pm 220 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 330 \mu\text{m}$	1 – 2	1 – 2	
	$\pm 550 \mu\text{m}$	2 – 5	2	
	$\pm 1000 \mu\text{m}$	2 – 8	2 – 4	
	$\pm 1600 \mu\text{m}$	2 – 10	2 – 8	

**Conversion Between Pore Size, Porosity, and PPI**

Average Pore Size	Pores Per Inch	Porosity
$\pm 110 \mu\text{m}$	$\pm 230$ PPI	$\pm 70\%$
$\pm 220 \mu\text{m}$	$\pm 115$ PPI	$\pm 75\%$
$\pm 330 \mu\text{m}$	$\pm 75$ PPI	$\pm 80\%$
$\pm 550 \mu\text{m}$	$\pm 45$ PPI	$\pm 89\%$
$\pm 1000 \mu\text{m}$	$\pm 25$ PPI	$\pm 90\%$
$\pm 1600 \mu\text{m}$	$\pm 15$ PPI	$\pm 93\%$