

Expanding Technology™

MICROGRID[®] EXPANDED METAL FOILS FOR PRIMARY FILTER MEDIA SUPPORT

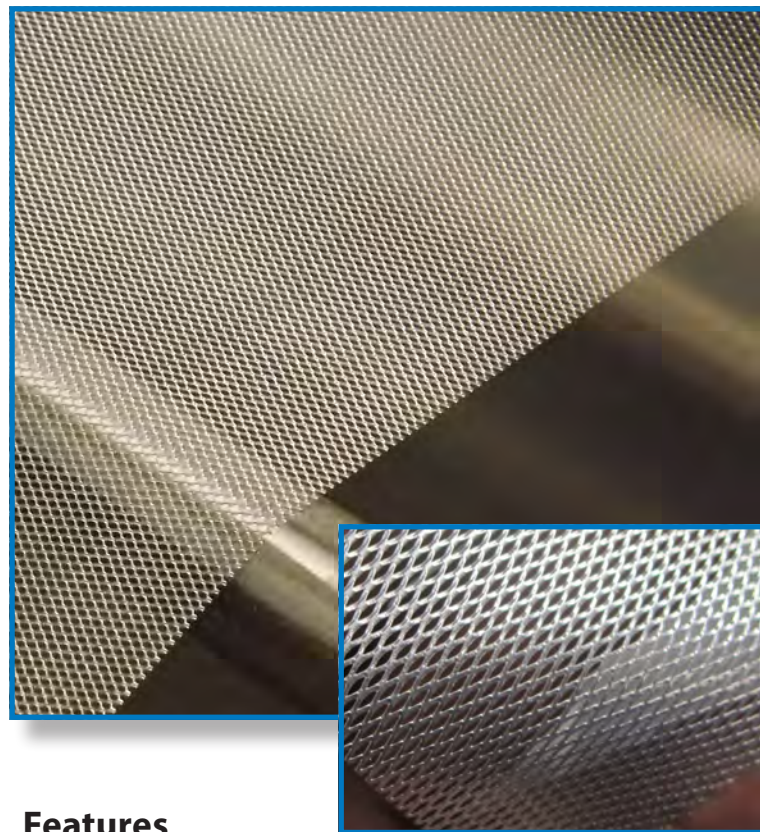
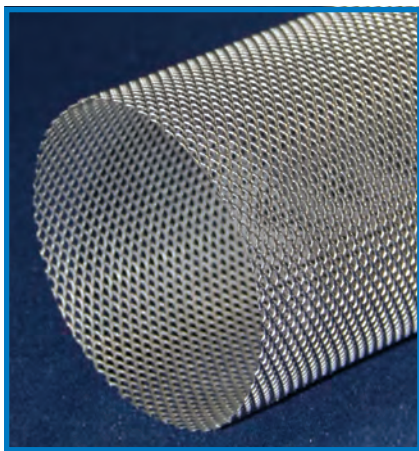
Applications & Advantages

- ▲ Support, Separation Backing & Purification
- ▲ Economical Option to Alternative Materials
- ▲ Engineered Pore Sizes to Achieve Flow & Pressure Drop Specifications

Separation and purification are key criteria for industries that process water, food & beverages, chemicals, and pharmaceuticals. Dexmet custom manufactures all MicroGrid[®] materials in a multitude of open area designs with controlled pore sizes to provide a more consistent flow rate for your filter and separation applications.

Expanded Metal Foils are from .001" thin, to 60" width, from 1 to 9,000 openings per square inch.

Dexmet offers the greatest range of products, capabilities and resources available... all with ISO 9001:2008 certified quality.



Features

- ▲ Pore Size and Thickness
Down to 25 Microns*
- ▲ 1300+ Openings/cm²
(8500+ Openings/inch²)
- ▲ Widths to 1200 mm

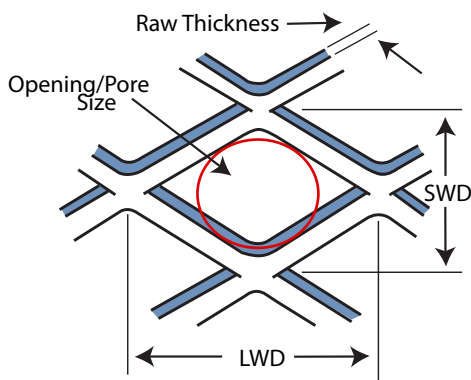
Our common materials include but not limited to: Stainless Steel, Aluminum, Nickel Alloys, Carbon Steel and Other Ductile Metals. Custom Alloys Available**

* Material thickness and width will dictate achievable pore sizes. ** For more information regarding availability of raw materials contact Dexmet.

PRECISION EXPANDED METAL FOILS FOR FILTRATION, SEPARATION AND CHEMICAL PROCESSING APPLICATIONS

Standard Dexmet MicroGrid® Configurations

Tool Code	LWD (in)	SWD (in)		Hole Size (in)		Opening/SQIN		Open Area		Width (in)	Raw Thickness (in)	
		Min	Max	Min	Max	Min	Max	Min	Max		Min	Max
020	0.020	0.0111	0.0133	0.001	0.007	7500	9000	32%	75%	8	0.001	0.002
025	0.025	0.0125	0.0154	0.0012	0.008	5200	6400	32%	75%	8	0.001	0.003
031	0.031	0.0182	0.0244	0.0015	0.01	2650	3550	32%	82%	12	0.001	0.005
040	0.040	0.0222	0.0323	0.002	0.017	1750	2250	24%	85%	12	0.0015	0.006
050	0.050	0.0244	0.0357	0.003	0.022	1120	1640	21%	89%	24	0.0015	0.008
060	0.060	0.0303	0.0435	0.003	0.027	780	1150	20%	90%	24	0.0015	0.009
075	0.075	0.0303	0.0370	0.0033	0.03	720	880	15%	90%	38	0.0015	0.009
077	0.077	0.0333	0.0556	0.004	0.033	475	775	15%	90%	36	0.002	0.012
080	0.080	0.0370	0.0667	0.007	0.04	375	675	16%	90%	48	0.002	0.014
090	0.090	0.0455	0.0556	0.007	0.045	400	500	16%	90%	24	0.002	0.014
100	0.100	0.0400	0.0769	0.007	0.046	250	475	16%	90%	38	0.002	0.017
105	0.105	0.0500	0.0769	0.007	0.048	250	350	20%	90%	24	0.002	0.018
125	0.125	0.0500	0.1111	0.008	0.052	150	325	20%	90%	48	0.002	0.025
140	0.140	0.0588	0.1250	0.01	0.065	110	250	30%	90%	24	0.003	0.03
158	0.158	0.0769	0.1250	0.011	0.075	100	180	30%	90%	27	0.003	0.03
180	0.180	0.0714	0.1111	0.011	0.08	100	150	32%	90%	24	0.004	0.03
190	0.190	0.0667	0.1000	0.02	0.088	80	130	35%	90%	24	0.005	0.03
215	0.215	0.0833	0.1429	0.02	0.095	65	110	35%	90%	24	0.005	0.03
236	0.236	0.0909	0.1429	0.025	0.1	60	90	35%	90%	24	0.005	0.03
250	0.250	0.1000	0.1667	0.027	0.11	50	80	35%	90%	24	0.005	0.03
284	0.284	0.0909	0.1429	0.03	0.13	45	80	35%	90%	24	0.005	0.03
400	0.400	0.1250	0.3333	0.035	0.18	15	40	35%	90%	24	0.005	0.03
500	0.500	0.2000	0.400	0.05	0.225	10	20	35%	90%	36	0.005	0.03



Intertek

Corporate Sponsor:
American Filtration &
Separations Society



▲ ISO 9001:2008 Certified

▲ 6,000 Sq/Meter Facility

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