

Liquid Filtration

Epoxy bound microglass filtration media grades specifically designed to achieve the highest dirt holding while maintaining a low pressure differential in a pleated configuration. LyPore® Defender microglass filtration media are optimal when co-pleated with multiple support layers and can be used as the sole efficiency and dirt holding layer or in conjunction with a separate pre-filter. The epoxy binder is ideal for the most demanding fluid and temperature requirements.

Typical Properties	Standard Units		Metric Units		Test Methods
Basis Weight	61	lbs/3000 ft ²	102	grams/m ²	T.A.P.P.I.–T-410 A.S.T.M.–D-646
Thickness	25	mils	0.61	mm	T.A.P.P.I.–T-411
Efficiency (Flat Sheet)					
Beta 200	19.8	micron	19.8	micron	ISO-16889
Beta 1000	25.4	micron	25.4	micron	ISO-16889
Dirt Holding Capacity (Flat Sheet) 2 bar	122	mg/in ²	190	grams/m ²	ISO-16889
Dirt Holding Capacity (Flat Sheet) 5 bar	165	mg/in ²	258	grams/m ²	ISO-16889
Air Resistance	2.5	mm H ₂ O	25	Pa	MIL-STD-282 A.S.T.M.–D2986-91
Air Permeability	55	cfm	122	cm ³ /cm ² /s	T.A.P.P.I.–T-251
Mean Flow Pore	17	micron	17	micron	Coulter Porometer
Max Pore	40	micron	40	micron	Coulter Porometer

Features/Advantages:

- Lydall's highest dirt holding media
- Use in conjunction with pre-filter grade 9276-LS for even higher retention
- Exacting efficiency for desired particle size
- Easily withstands high pressures and flow rates
- Epoxy binder compatible with most fluids
- Sustained temperatures up to 450°F (232°C)

Applications:

- Hydraulic Oil
- Heavy Duty Lube
- Engine Oil
- Coolants
- Fuels
- Turbine Oil