What is claimed is:

1. A filter plate having an inlet and an outlet, said filter plate comprising a polymeric framework having a filtration zone and one or more membranes bonded and sealed to said polymeric framework in said filtration zone with a thermosetting plastic; wherein

~~2~~. ~~The filter plate of claim 1, wherein~~ said polymeric framework comprises a polyphenylene ether/polystyrene blend.

~~3.~~2. The filter plate of claim 1, wherein there are a plurality of stacked membranes in said filtration zone.

~~4.~~3. The filter plate of claim 1, wherein said one or more membranes has a perimeter, and wherein said thermosetting plastic bonds said perimeter to said polymeric framework.

~~5.~~4. The filter plate of claim 1, further comprising a plurality of apertures in fluid communication with said outlet.

~~6.~~5. The filter plate of claim 4 ~~5~~, wherein said apertures are positioned such that during a filtration operation, filtrate through said membrane enters said apertures and flows to said outlet.

~~7.~~6. The filter plate of claim 1, wherein said one or more membranes is overmolded to said polymeric framework.

~~8.~~7. A chromatography unit having an inlet and an outlet, and comprising at least one pair of filter plates interposed between a pair of end plates; each of said filter plates of said at least one pair of filter plates comprising a polymeric framework having a filtration zone and one or more membranes bonded to said polymeric framework in said filtration zone with a thermosetting plastic; the filter plates of said at least one pair of filter plates being placed in back-to-back relation thereby creating a channel between the membrane or membranes in a first plate of said pair and the membrane or membranes in a second plate of said pair, into which fluid flows from said inlet and exits through said outlet after passing through the membrane or membranes in each of said first and second plates, wherein ~~.~~

~~9. The chromatography unit of claim 8, wherein~~ said polymeric framework comprises a polyphenylene ether/polystyrene blend.

~~10.~~8. The chromatography unit of claim 7 ~~8~~, wherein there are a plurality of stacked membranes in each of said filtration zones of each plate of said at least one pair of plates.

~~11.~~9. The chromatography unit of claim 7 ~~8~~, wherein said pair of plates are RF welded together.