



## CEG Membrane Diffusion System

### MEMBRANE DIFFUSION PROPERTIES

#### *MLP SERIES*

MEMBRANE MATERIAL:	Woven Polypropylene Monofilament. Membrane fabric - satin weave, lightweight, natural color, with UV additives.
MEMBRANE WEIGHT:	A nominal size panel (2' x 4') weighs approximately 3.52 lbs.
AVAILABLE MEMBRANE PRESSURE DROP:	MLP 2700/2700 Airflow of 75-85 FPM (Feet/Minute)      0.035" W.G. Airflow of 90-110 FPM (Feet/Minute)      0.045" W.G. Airflow of 115-125 FPM (Feet/Minute)      0.055" W.G.
FIRE CHARACTERISTICS:	Membrane fabric is classified as a Class "A" product as defined by the ASTM E-84 Fire Test.
SUPPORT SYSTEM:	The double layer Membrane fabric is stretched tight into the anodized aluminum frame. The fabric is affixed to the frame utilizing a clear epoxy adhesive. Panels are nominal 2' x 4' designed to lay into a standard 2' x 4' acoustical ceiling grid system. Special sizes are available for odd openings.
ASSEMBLY:	Panels are manufactured by CEG in a Class 100 cleanroom. Panels are bagged, crated, and shipped to jobsite for installation into the ceiling grid.
OPENINGS & PENETRATIONS:	Penetrations for sprinkler heads or conduit can be made anywhere in panel and finished off with standard escutcheons. Special sealing is not required.
ACCESS:	Membrane panels lift out (like ceiling tiles) for access to HEPA/ULPA filters and lights.
SANITIZING:	A 90% water, 10% isopropyl alcohol solution is used for cleansing (not to exceed 10% alcohol). This solution is <b>wiped</b> on the panel and then permitted to air dry. <b>CAUTION:</b> Do not allow solution to pool on the panel to insure the Membrane fabric or epoxy sealing is not weakened.