

# TELECOMMUNICATIONS EQUIPMENT

## Outdoor Enclosure Gaskets

Telecommunications cabinets, enclosures and base stations require access panel, air intake and door gaskets fabricated from materials that provide long term weather sealing, withstand exposure to harsh conditions (wind-driven rain, extreme low and high temperatures,) and meet UL94V0 flame ratings.

Stockwell Elastomerics provides silicone foam gaskets with pressure sensitive adhesive backings to ensure long term reliability in telecom cabinets and panels installed in remote locations and elevations. With proper deflection, these silicone foam products resist moisture intrusion and perform well after being subjected to broad temperature cycles for many years.

## Air Plenum and Air Flow Management Gaskets

Air plenums and air diverting assemblies inside telecom enclosures are enhanced by compressible gaskets with long term compression set resistance. Since flame ratings are critical to the telecommunications equipment sector, silicone foam would be our first recommendation. Closed cell sponge such as Ensolite® and neoprene may be specified for requirements where long term sealing is secondary to cost.

## Thermal Management

In most electronic systems, heat build up is the enemy. As electronic components have become more sensitive, thermal interface pads are utilized to manage heat build-up. Stockwell Elastomerics provides compressible thermal "Gap Fillers" from .020" to .250" thick for effective heat transfer from the system. Thermally conductive Gap Fillers are formulated from soft silicone with evenly dispersed fillers, and are designed to meet the UL94V0 flame rating.

## EMI Shielding Gaskets

Electrically conductive materials such as nickel-graphite filled silicone rubber or silver plated aluminum filled silicone rubber can be molded or fabricated into gaskets that provide long term EMI shielding and weather sealing. Conductive silicone elastomers are available with an electrically conductive acrylic adhesive backing. Gaskets fabricated from thermally conductive silicone sponge with aluminum foil wrapped edges provide a combination EMI shielding / thermal management gasket.

## Broad Production Capabilities.

Designers of Telecommunications Equipment have benefited from Stockwell Elastomerics' multi-faceted production capabilities. With on-site custom rubber molding, die cutting, water jet cutting, fabrication assembly and adhesive lamination we can approach a design challenge from many directions.

THERMAL  
INTERFACE  
PADS

MOLDED CABLE BOOT

SILICONE FOAM PANEL GASKETS

