

PSA Backed Omega Profile

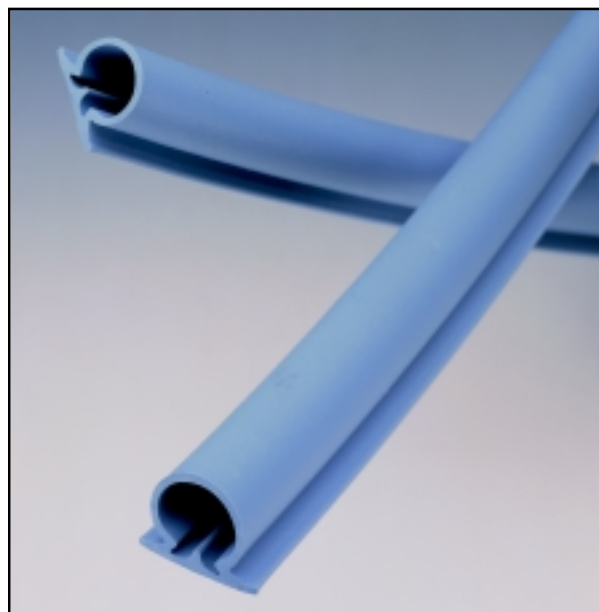
No. 5416B1-USA

Omega Profile Provides Stability in Flat Panel Sealing!

In many applications it is desirable to design enclosures without glands for gaskets to reside in. Such enclosures are encountered frequently in the electronics and telecommunications industries, and are referred to as flat panel sealing applications.

Hollow extrusions are the preferred sealing solution in many of these applications because they offer low closure force sealing with pressure sensitive adhesive (PSA) backing for attachment of the gasket to the enclosure, as well as the ability to fill large gaps often associated with thin metal or plastic enclosures.

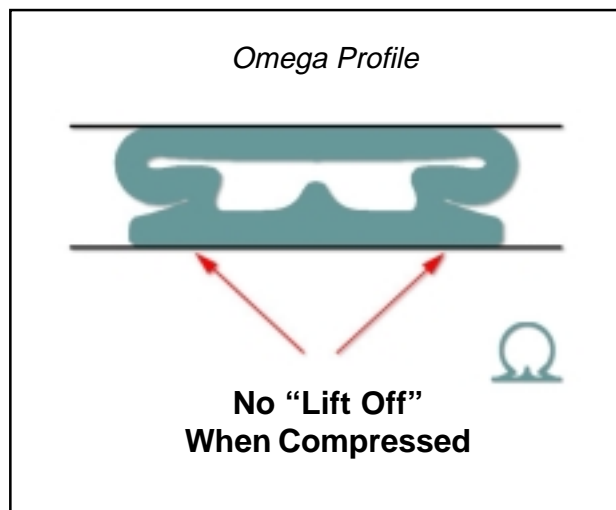
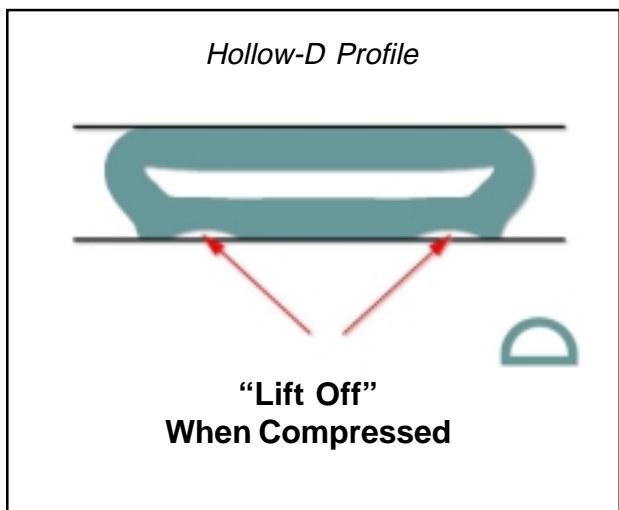
The Omega profile can be manufactured in a variety of sizes to fit almost any application. It is also available in a wide range of materials, including our UL94 V-0 rated silicone S7395-60.



Omega Profile Key Advantage

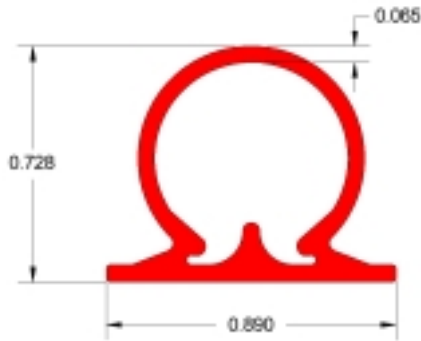
A variety of standard shapes have been used in the sealing of metal and plastic enclosures. JBL's new Omega profile offers a key advantage over standard PSA backed shapes.

When an enclosure door is shut and begins to compress the seal, some commonly used gasket profiles tend to deflect upward along the PSA/substrate surface, potentially causing the PSA to lift off. The unique shape of the Omega profile allows for a flat PSA backed surface - even with large compression values.

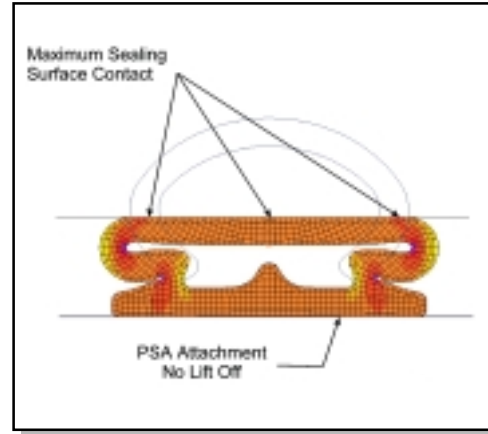


JBL's Omega Profile

JBL Profile # W016



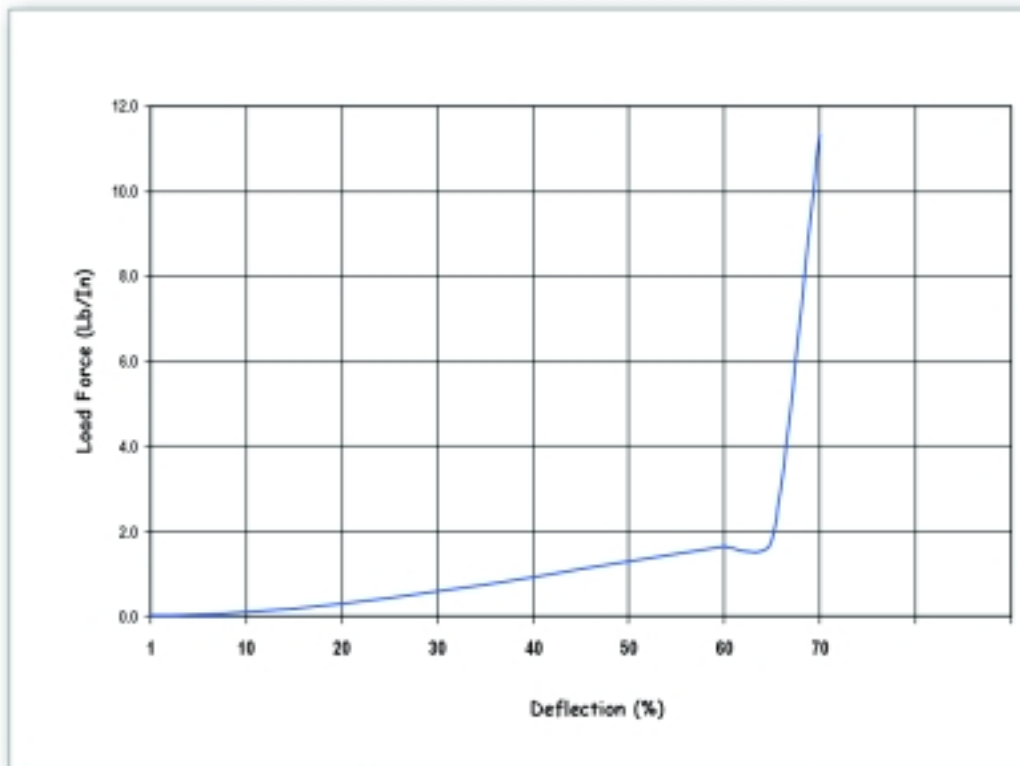
Contact JBL's Application Engineers regarding material availability and custom Omega profiles.



Omega Profile
Finite Element Analysis

Omega Profile

Load - Deflection Curve



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