

DURAFOAM 100% EPDM

Passing the test of time
for over 35 years!

A "Super" Design

Specially reprinted by Du Pont for

MONMOUTH RUBBER CO.

75 LONG BRANCH AVENUE, LONG BRANCH, N.J. 07740

YESTERDAY

In 1974, Monmouth commercialized the world's first 100% EPDM, low density, closed cell sponge. Proprietary Durafoam™ technology allowed Monmouth to produce C191XLDS in densities as low as to 2.0 pounds per cubic foot. One outstanding, commercially successful application for this technology was as a sealing gasket for all Chrysler tail lamps. In 1979, Monmouth was successful in having Durafoam™ C191XLDS introduced at Chrysler as the only approved source under MSAY 527 A, B, & C.

Durafoam™ C191XLDS solved a major leakage problem Chrysler had on its “K” cars. Durafoam™ C191XLDS, with its attributes of softness, conformity and 100% closed cell structure, allowed for foolproof sealing of Chrysler’s tail lamp gaskets. Monmouth was recognized by Dupont on its literature for this significant achievement and problem solving technology.

TODAY

Monmouth offers a broad range of 100% EPDM closed cell products ranging in densities from 2 pcf up to and including 30 pcf. Monmouth also offers a more cost effective line of EPDM blends that perform well and solve problems in a variety of customer applications.

Some of the specifications that Monmouth meets with its EPDM line are:

MSAY 430 A,B,C	GM 6086M
SAE J18	ASTM-D-1056
MIL-C-3133	MIL-R-6130
ASTM 6576	ASTM-D-3575

as well as selected specifications from other car companies such as Ford, Toyota, and Honda to name a few.

TOMORROW

Monmouth continues to invest in technology and innovation to solve customer requirements and problems with material at the lowest possible price. Monmouth continues to respond to and work with customer needs in areas where some of its competitors lack the comprehensive technology to deliver high performance at a cost effective price. Monmouth is meeting challenges around the globe with companies that are in the forefront of design and engineering change.

MONMOUTH RUBBER & PLASTICS CORP.

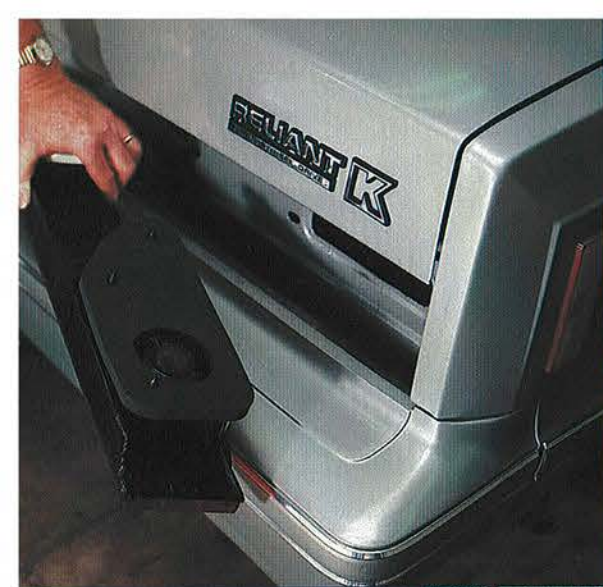
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A "Super" Design

Chrysler taillight gaskets improved
with cellular NORDEL

Rear lamp housings on Chrysler's 1981 K car sedans originally were sealed to the body sheet metal with laminated, composite gaskets made of two polymeric plastic foams. One material was chosen for its conformability to sheet metal and the other for its compatibility with the ABS plastic lamp housing. Unfortunately, a moisture infiltration problem developed and another look had to be taken at the gasket design by Chrysler's exterior lighting specialists. Their solution? A single component, low-density cellular elastomeric gasket.

The redesigned taillight seal, used since early May on all Plymouth Reliant and Dodge Aries sedans, is made of Monmouth Rubber Company's Durofoam 100% EPDM. This material, based on Du Pont's NORDEL* hydrocarbon rubber, not only provides a superior seal by virtue of its exceptionally low density and uniform load deflection but also is less expensive than alternative composite or molded gasket designs.

The Durofoam taillight gasket is supplied as a die-cut part with a pressure-sensitive adhesive on one side

*Reg. U.S. Pat. & Tm. Off.

for ready attachment to the body sheet metal. With a density of only 64mg/cm^3 (4 lb./cu.ft.), the soft sponge rubber seal "forgives" dimensional tolerances and minor surface variations between the lamp housing and body. The heat resistance of NORDEL carries the gasketing safely through the paint bake ovens in the factory and its closed cell structure effectively excludes water and weather from the lamp interior on the road. Monmouth Rubber also supplies Durofoam gasketing of NORDEL, per Chrysler specifications, for several other body and chassis seals on the 1981 K cars. Familiarity with the product in these earlier successful applications, we assume, gave the designers some confidence in trying it for this latest use.

In any event, a Chrysler engineer who participated in the redesign of the taillight seal told us, "It's early to make an unqualified evaluation, but I feel this new gasket is doing a super job for us".

Cellular NORDEL by *Monmouth Rubber*

