

APIEZON® Q

Vacuum Sealing
Compound

Introduction

Apiezon Sealing Compound Q is a versatile sealing medium, which is used for a variety of different purposes in a number of different industries.

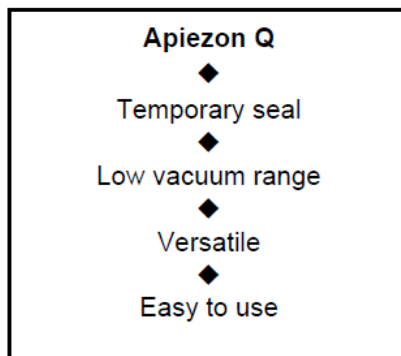
It is sufficiently firm at room temperature to remain in position, yet is soft enough to be moulded by hand and is readily removed when no longer required.

The key features of this product are shown in the table opposite.

Stop the leak

If a vacuum system develops a leak it is not always possible, or economically viable, to close down that system to undertake repairs.

Apiezon Sealing Compound Q offers an effective, temporary vacuum seal until such a time as permanent repairs become more convenient. In this way Apiezon Sealing Compound Q may reduce equipment down times and ensure important deadlines are able to be met in production situations.



Under vacuum

Apiezon Sealing Compound Q exhibits good vacuum properties in the lower vacuum range. Full information on its vapour pressure characteristics over the working temperature range of the product is shown below.

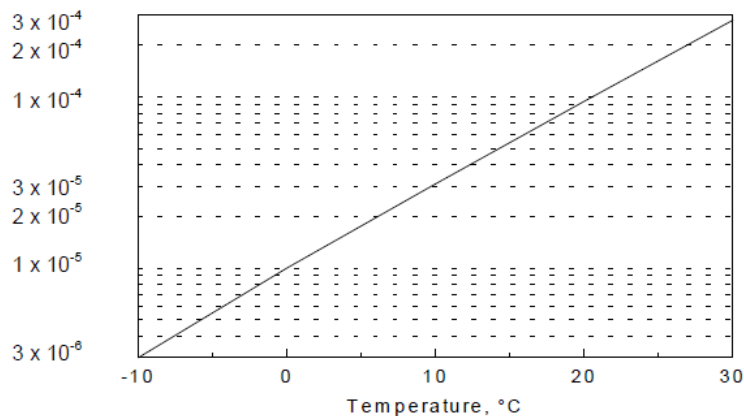
Extremely versatile

Among many other diverse applications, Apiezon Sealing Compound Q can be used to seal around the edges of flat, unground joints to blank off parts of an apparatus temporarily or to seal glass cylinders to metal plates to produce temporary vacuum enclosures.

Whether sealing joints, filling in holes or filling gaps in a vacuum system, Apiezon Sealing Compound Q is extremely versatile and is the ideal leak sealant in a wide array of uses and industries.

Vapour pressure over working temperature range

Vapour Pressure, Torr



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Continued

Easy to use

Apiezon Sealing Compound Q is a soft, putty like substance which is easily moulded by hand at ambient temperatures, yet firm enough to remain in position. It has a vapour pressure of approximately 9×10^{-5} torr at 20°C ensuring efficacious use where the vacuum requirement is not too low. With a softening point of 45°C Compound Q should be used where the site of application remains between minus 10 and +30°C.

When kneading or rolling Compound Q, care should be taken to ensure that hands and surfaces are clean in order to preserve the low vapour pressure characteristics of the product.

| Typical Properties | | |
|-------------------------------------|----|--------------------|
| Typical working temperature range, | °C | -10 to 30 |
| | °F | 14 to 86 |
| Temperature for application | | Ambient |
| Approximate softening point, | °C | 40 to 50 |
| | °F | 104 to 122 |
| Pack | | 1 kg |
| Vapour pressure @ 20°C / 68°F, Torr | | 1×10^{-4} |

Easy to remove

Apiezon Sealing Compound Q will adhere to a wide range of surfaces including glass, metal, plastic, etc. yet it is simply removed by peeling away from the site of application.

Any traces of the product left on the surface can be easily removed by washing with any hydrocarbon solvent or by using a vapour degreasing bath.