

O Ring Material Selection Guide

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An O-ring material selection guide. Posted on 19/05/2016 Category: O-Rings. O-rings are common seals used in many manufacturing industries. With such a broad range of materials available, it can be tricky to select the appropriate material for any given project. So Martin's Rubber has compiled this useful O-ring material selection guide, to give you a clear insight into the advantages and disadvantages of common O-ring materials.

O-ring material selection guide | O-ring material comparison

O-ring material family chemical compatibility, temperature resistance, and other properties all factor in to o-ring material selection for an application. This popular o-ring material family comparison shows basic rubber material family properties and performance plastic properties. The guide includes generalized recommended o-ring material uses and non-recommended uses with typical material mechanical properties.

O-Ring Material Chart Rubber Selection Guide Quick Reference

O-ring material compatibility is based on chemical family, temperature resistance, and other properties that are all factor into the o-ring material selection. This reference guide for O-Ring materials features a list of popular materials with standard recommendations and non-recommended uses for O-Rings with typical mechanical properties. Commercial, Mil-Spec, OEM. More Resources and Quick Links. Shop our selection of popular brand O-Rings, like Alfas, Buna, EPR, Viton, and more! Check out ...

O-Ring Material Compatibility | Material Selection Guide

Material Selection Standard Compound Special Compound. O-Ring Material Selection Guide. This tool is meant to be used as a professional guide only. Because no two situations or installations are the same, these comments, suggestions, and recommendations are necessarily general and should not be relied upon by any purchaser without independent verification based on the particular installation or use.

O-Ring Material Selection Guide - Apple Rubber

O-Ring Technical Help Material selection plays a crucial role in the performance of an o-ring in your application. Operating temperatures and compatibility with the media to be sealed are arguably the two most important parameters to be considered; however, due to the number of interacting forces that can affect seal performance it is recommended that you test your material selection in your actual application.

O-Ring Materials Selection Guide - Datwyler

General purpose EPDM O-rings are manufactured using a sulphur based curing system, these are suitable for use up to +120°C whereas peroxide cured. O-rings can be used up to +150°C. EPDM is particularly useful when sealing in brake systems that use fluids having a glycol (Dot 3 and 4) or silicone base (Dot 5).

Oring | O Ring Selection Guide | Polymax UK

O-Ring Material Chart Interactive Comparison Guide O-ring material selection is critically important for the success of your application. The o-ring material comparison chart below offers a quick reference of o-ring material performance.

O-Ring Material Selection Chart Interactive Comparison Guide

A Simple Guide to Selecting an O-Ring Thursday, November 19, 2015 by Sealing & Shielding Team O-rings are the simplest, most readily available type of seal used across every industry and market. They are arguably the best seal for many applications, but perhaps daunting to an engineer with no experience in seal design.

Parker O-Ring Handbook Makes O-ring Selection Simple

Material Selection Guide. This section provides a brief review of the various elastomers currently available for use in Parker's O-rings and custom elastomeric seals. Service recommendations mentioned in this section are necessarily abbreviated. For more comprehensive and specific information on this important subject, see the Fluid Compatibility Tables in Section VII of the hard print or pdf version of the Parker O-Ring Handbook.

Material Selection Guide - Parker Hannifin Corporation

O-Ring Applications: 7-8: 5. Basic Elastomers: 9-21: 6. Designing with Rubber: 22-31: 7. Compound Selection: 32-110: 8. Specifications: 111-115: 9. Qualifications: 116: 10. Test Procedures: 117-125: 11. Control: 126: 12. Storage: 127-130: 13. O-Ring Gland Design Information: 131-161: 14. O-Ring Assembling Conditions: 162-168

Technical Handbook | O-Ring

Primary considerations for O-ring material selection include chemical compatibility, application temperature compatibility, sealing pressure, durometer, size and cost. Depending on the application, factors such as electrical properties, dynamic resistance, tear resistance and ozone resistance should also be considered.

EPDM Rubber & Other Common O-Ring Materials

'O' Ring Guide High Performance Sealing Technology The comprehensive guide to 'O' ring sealing systems including • 'O' ring selection • General & high performance materials • Housing design & tolerances • Cords, kits & lubricants Issue 7

'O' Ring Guide - James Walker

O-Ring Guide Parker Hannifin Prdifa Technology Division Introduction Introduction Compounds Tailored materials require tailored compounding processes. Therefore, Parker produces its rubber mixtures and polymerises its thermoplastic materials in-house. The portfolio of materials developed and produced by Parker ranges from compounds for ...

O-Ring Guide - Parker Hannifin

O-Ring Rubber Selection Guide What You Need to Know About O-Rings The temperatures it will be exposed to, especially if likely to involve extended periods below 0 ° F or over 200 ° F (-18 ° C -93 ° C); otherwise, it is unlikely that temperature ratings will be much of a factor.

O-Ring Rubber Selection Guide - Metro Industries Inc

Compare O-Ring Materials Select O-Ring Compounds and Order Online From the World's Largest Inventory Network Compare o-ring material properties to find and buy the best o-rings compatible with your application environment.

O-Ring Material Compound Compatibility Selection Guide

TMand O-Ring Selector (advanced users) are web-based mobile applications designed to assist with material selection, fluid compatibility, gland/seal calculations and overall design analysis. Scan the below QR codes to try them out today!

Parker O-Ring Material Offering Guide

Description: Combining high temperature resistance with outstanding chemical resistance, Fluorocarbon-based compounds approach the ideal for a universal o-ring material.

Material selection guide - Klinger.se

Parker's O-Ring Selector is an engineering tool which offers O-ring material and size selection combined in one tool. Both are interlinked, thus ensuring the best possible combination of the calculated O-ring size and material choice. The O-Ring Selector covers both imperial and metric standards. Service Conditions & Material Selector