

Seals Eastern Perflas[®] 9291 Highly Fluorinated Fluoroelastomer Seals

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Perflas 9291[®] seals are made of a chemical resistant highly fluorinated fluoroelastomer (FEPM - ASTM D1418 designated). Perflas9291 seals offer outstanding resistance to high temperatures (300[°]C/572[°]F). Perflas 9291 seals have been designed for very demanding sealing applications in aggressive chemical environments. Perflas 9291 seals resist attack by nearly all chemical reagents, including organic and inorganic acids, alkalines, ketones, esters, alcohols, fuels and hot water. Information provided by Seals Eastern.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Seals-Eastern-Perflas-9291-Highly-Fluorinated-Fluoroelastomer-Seals.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--|---|-----------------------------|
| Hardness, Shore A | >= 70 | >= 70 | |
| Tensile Strength | 16.59 MPa | 2406 psi | |
| Elongation at Break | >= 170 % | >= 170 % | |
| 100% Modulus | 0.00550 GPa | 0.797 ksi | |
| Compression Set | 12 % | 12 % | O-ring (-214) ASTM Method B |
| | @Temperature 22.8 [°] C, Time 252000 sec | @Temperature 73.0 [°] F, Time 70.0 hour | |
| | 15 % | 15 % | |
| | @Temperature 150 [°] C, Time 252000 sec | @Temperature 302 [°] F, Time 70.0 hour | O-ring (-214) ASTM Method B |
| | 24 % | 24 % | O-ring (-214) ASTM Method B |
| | @Temperature 200 [°] C, Time 252000 sec | @Temperature 392 [°] F, Time 70.0 hour | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------------------|--------------------|----------|
| Maximum Service Temperature, Air | 300 [°] C | 572 [°] F | |

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