

The O-Ring Store LLC



We make getting o-rings easy!

VITON EXTREME (ETP) 75 DUROMETER DATA SHEET FOR COMPOUND CV75

Compound Features:

- Excellent resistance to industrial chemicals and solvents.
- Better polar solvent resistance than Viton GF types.
- Excellent for applications involving mixed chemical or solvent handling systems.
- Excellent resistance to petroleum products.
- Excellent fuel resistance.
- Excellent resistance to weathering, ozone, and UV/sunlight.
- Works well with silicone grease or oil lubricants.
- Works well with di-ester lubricants.
- Good abrasion and wear resistance.
- Excellent compression set resistance.
- Excellent permeation resistance.

Temperature Range:

-20°F to +482°F (-40°C to +250°C)

ASTM Callout:

M3HK814 B38 EF31 Z1

Z1 = 75 ± 5 Durometer Shore A

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ORIGINAL PROPERTIES					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Durometer	-	-	Shore A	-	76
Tensile Strength			MPa	-	15
Elongation Resistance			%	-	175

HEAT RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Durometer Change	-	70 Hours @ 250°C	Shore A	-	-3
Tensile Strength Change			%	-	-32
Elongation Resistance Change			%	-	+38

COMPRESSION SET					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Original Deflection	-	22 Hours @ 200°C	%	-	-11

TR-10 LOW TEMPERATURE RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Low Temperature Flexibility	-	TR-10	°C	-	-11°C

FLUID RESISTANCE – MEK (METHYL ETHYL KEYTONE)					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Durometer Change	-	168 Hours @ 23°C	Shore A	-	-11
Tensile Strength Change			%	-	-52
Elongation Resistance Change			%	-	-24
Change in Volume			%	-	+19

Information within is believed to be accurate and reliable. However, The O-Ring Store, LLC makes no warranty, expressed or implied, that parts supplied in this material will perform satisfactorily in specific applications. It's the customer's responsibility to evaluate the material prior to use.

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FLUID RESISTANCE – POTASSIUM HYDROXIDE SOLUTION					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Durometer Change	-	168 Hours @ 100°C	Shore A	-	0
Tensile Strength Change			%	-	-7.8
Elongation Resistance Change			%	-	-2.4
Change in Volume			%	-	+6
Surface Condition			Pass/Fail	-	Pass/No Change

FLUID RESISTANCE – VOLUME CHANGES IN INDUSTRIAL FLUIDS					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	CV75 Compound Property
Nitric Acid (60%)	-	-	%	-	+11
Sulfuric Acid (90%)			%	-	+3
Tetrahydrofuran			%	-	+40
Butyl Acetate			%	-	+31
Skydrol LD			%	-	+11

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