

The O-Ring Store LLC



We make getting o-rings easy!

VITON 75 DUROMETER

DATA SHEET FOR COMPOUND V75 METRIC

Compound Features:

- Excellent resistance to petroleum products.
- Excellent fuel resistance.
- Excellent resistance to acids, chemicals, and solvents.
- Excellent resistance to weathering, ozone, and UV/sunlight.
- Works well with silicone grease or oil lubricants.
- Works well with diester lubricants.
- Good abrasion and wear resistance.
- Excellent compression set resistance.
- Excellent permeation resistance.

Compound Limitations:

- Poor resistance to hot water and steam.
- Poor resistance to automotive and aircraft brake fluids.
- Poor resistance to ketones (MEK).
- Poor resistance to amines.
- Poor resistance to low molecular esters and ethers.

Temperature Range:

-20°F to +400°F (-40°C to +121°C)

ASTM Callout:

ASTM D2000 M2HK710 A1-10 B38 EF31 EO78 Z1

Z1=

Recommended Shelf Life:

Unlimited

1005 Warner Ave, Suite A Lewiston ID 83501 | Phone (208) 413-6377 Fax (208) 413-6719

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ORIGINAL PROPERTIES					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Durometer	-	D2240-10	Shore A	75± 5	76
Tensile Strength		D412-13	MPa	10 Min	15.7
Elongation Resistance		D412-13	%	175 Min	356
Specific Gravity		D297-13	-	-	1.87

HEAT AGE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Durometer Change	A1-10	ASTM D573-10 70 Hours @ 250°C	Shore A	+10	+4
Tensile Strength Change			%	-25	-6
Elongation Resistance Change			%	-25	-19

COMPRESSION SET					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Original Deflection	B38	ASTM D395-08 22 Hours @ 200°C	%	50 Max	17

IRM903 OIL RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Change in Volume	-	ASTM D471-12A 70 Hours @ 150°C	%	+10	+4

FUEL RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Durometer Change	EF31	ASTM D471-12A 70 Hours @ 23°C	Shore A	±5	-3
Tensile Strength Change			%	-25	-21
Elongation Resistance Change			%	-20	-14
Change in Volume			%	0 to +10	+15

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 NO.101 RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	V75 METRIC Compound Property
Durometer Change	E078	ASTM D471-12A 70 Hours @ 200°C	Shore A	-15 to +5	-4
Tensile Strength Change			%	-40	-12
Elongation Resistance Change			%	-0	-8
Change in Volume			%	0 to +15	+14

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