

The O-Ring Store LLC



We make getting o-rings easy!

VITON GLT 75 DUROMETER DATA SHEET FOR COMPOUND GLT75

Compound Features:

- Excellent low temperature resistance.
- 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:

-40°F to +482°F (-40°C to +250°C)

Recommended Shelf Life:

Unlimited

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ORIGINAL PROPERTIES					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	GLT75 Compound Property
Durometer	-	-	Shore A	75± 5	76
Tensile Strength		D412-13	PSI	1600 Min	1724
Elongation Resistance		D412-13	%	120 Min	218
Specific Gravity		D297-13	-	Report	1.77

FUEL RESISTANCE – FUEL B					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	GLT75 METRIC Compound Property
Durometer Change	-	70 Hours @ 73°F	Shore A	-5 to +5	+1
Tensile Strength Change			%	-30 Max	-4
Elongation Resistance Change			%	-20 Max	+13
Change in Volume			%	+1 to +10	+3

OIL RESISTANCE – AMS3085					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	GLT75 METRIC Compound Property
Durometer Change	-	70 Hours @ 73°F	Shore A	-5 to +10	+5
Tensile Strength Change			%	-25	+4
Elongation Resistance Change			%	-45	-16
Change in Volume			%	-10 to +5	+4

COMPRESSION SET IN AMS3085					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	GLT75 METRIC Compound Property
Original Deflection	-	70 Hours @ 392°F	%	5 Max	0

HEAT AGE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	GLT75 METRIC Compound Property
Durometer Change	-	70 Hours @ 527°F	Shore A	-5 to +5	+3
Tensile Strength Change			%	-35 Max	-7
Elongation Resistance Change			%	-10 Max	+13
Weight Loss			%	12 Max	-8

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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COMPRESSION SET					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	B70 METRIC Compound Property
Original Deflection	-	336 Hours @ 392°F	%	50 Max	32

LOW TEMPERATURE RESISTANCE					
Properties	ASTM Designation	Test Method	Unit of Measure	ASTM D2000 Specification	B70 METRIC Compound Property
Original Deflection	-	TR-10	°F	-20 Max	-30
Glass Transition - Inflection	-	-	°F	-20 Max	-24

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