

Material Datasheet

Compound #: BV75

Genuine Viton[®], General Purpose

Material Summary

| | |
|---|---|
| Material Type: | FKM |
| Durometer: | 75 |
| Color: | Brown |
| Special Properties: | |
| Recommended Temperature Range (Static): | -26°C to 232°C |
| Cure System: | Bisphenol |
| Specification: | ASTM D2000 M2HK710 A1-10 B37 EF31 EO78 Z1 |

| (Z1) Original Properties | Requirements | Typical Results |
|--|---------------------|------------------------|
| Hardness, (Shore A) (ASTM D2240-15) | 75±5 | 74 |
| Tensile Strength, psi(MPa) (ASTM D412-16) | 1450(10)(min) | 2205(15.21) |
| Elongation, (%) (ASTM D412-16) | 175(min) | 195 |
| Modulus at 100%, psi(MPa) (ASTM D412-16) | | 1181(8.14) |
| Density, (Mg/m ³) (CNS 5341-96, Method A) | | 2.04 |
| (A1-10) Heat age, 70 Hrs @ 250 °C (ASTM D573-04) | | |
| Hardness Change, pts. | +10(max) | +1 |
| Tensile Strength Change, % | -25(max) | +4 |
| Elongation Change, % | -25(max) | -18 |
| Weight Change, % | | -2.5 |
| (EF31) ASTM Fuel C Resistance, 70 Hrs @ 23 °C (ASTM D471-16a) | | |
| Hardness Change, pts. | ±5 | -3 |
| Tensile Strength Change, % | -25(max) | -14 |
| Elongation Change, % | -20(max) | -1 |
| Volume Change, % | 0 to +10 | +3.2 |
| (EO78) ASTM No. 101 Oil, 70 Hrs @ 200 °C (ASTM D471-16a) | | |
| Hardness Change, pts. | -15 to +5 | -5 |
| Tensile Strength Change, % | -40(max) | -13 |
| Elongation Change, % | -20(max) | -8 |
| Volume Change, % | 0 to +15 | +10 |

*American Society for Testing and Materials

Report Date: 12/13/2019

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