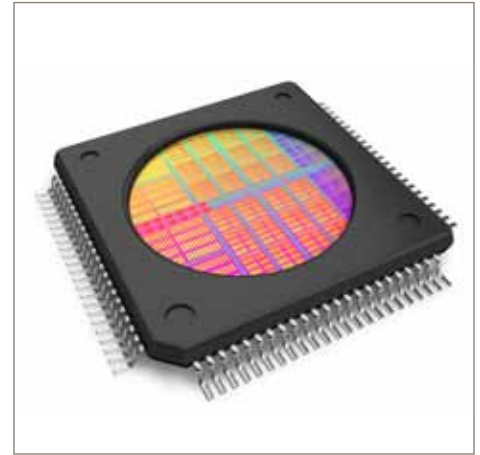


HF359-80 for Semicon

HiFluor™ : High Performance Fluoroelastomer



Significant Reduction in Cost of Ownership:

Parker HiFluor Compound HF359-80 is an amber colored highly fluorinated material that acts as a suitable replacement to FFKM in select Semiconductor processes. In applications such as etching, ashing, deposition, and gas transfer HF359-80 can provide a significant reduction in cost of ownership through “as good as” performance compared to competitive FFKMs and significant upfront cost advantages.



Contact Information:

Crest Technology Inc
11190 Circle Drive, Suite 205 Austin,
Texas 78736

phone 512-275-9050

www.cresttec.com

Features & Benefits:

- Outstanding high purity
- Very low particle generation and ion content
- Cost effective alternative to FFKM
- Good chemical/plasma resistance
- Improved cleanliness compared to fluorocarbon (FKM)

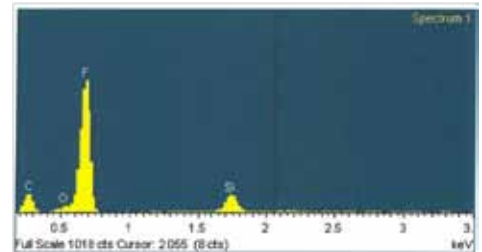
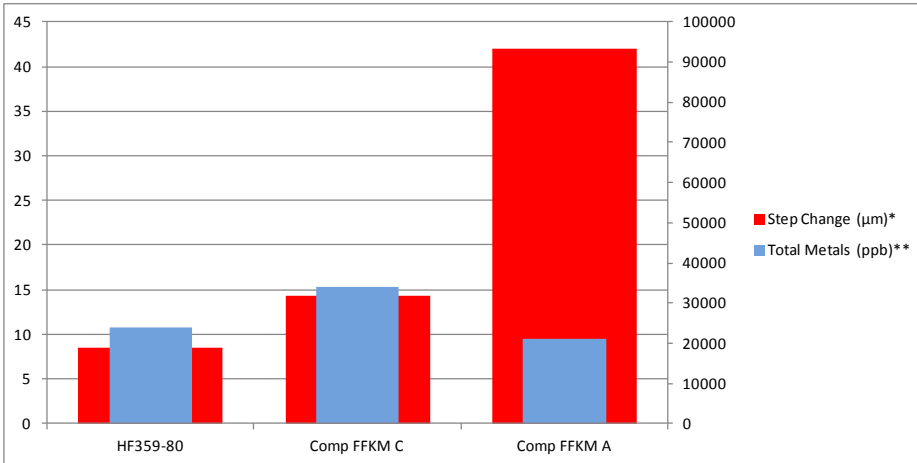


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HF359-80 Test Report

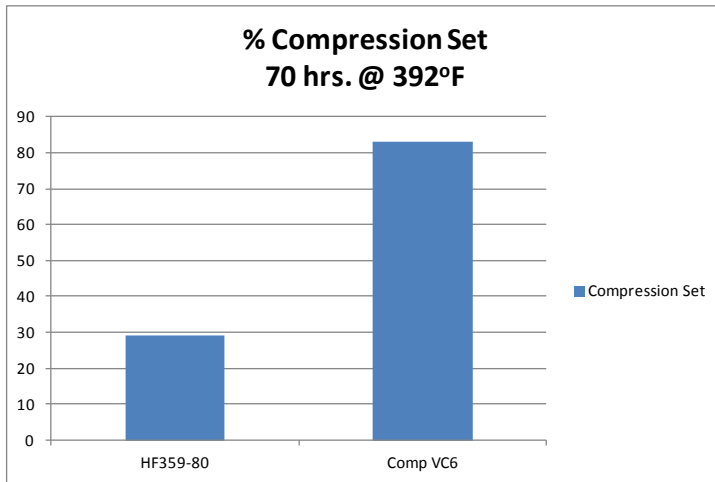
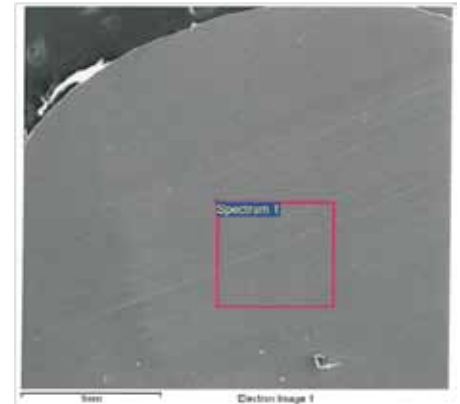
| Original Physical Properties | Test Method | Test Results |
|---------------------------------|-------------|--------------|
| Hardness, Shore A, pts. | ASTM D2240 | 81 |
| Tensile strength, psi | ASTM D1414 | 1428 |
| Ultimate elongation, % | ASTM D1414 | 232 |
| Modulus at 100% elongation, psi | ASTM D1414 | 642 |
| Specific gravity | ASTM D297 | 1.94 |

Parker's HiFluor technology continues to be an extremely popular "bridge material" within the Semiconductor market. This technology bridges the gap between FKM and FFKM to provide a suitable replacement and a significant cost benefit. For more specific data on HiFluor compound HF359-80, contact a Parker O-Ring Division Applications Engineer today!



*O₂ plasma; 200 W RF and 220 ICP, oxygen flow 20 SCCM the exposure period is 15 minutes
 **ICP/MS of metallic ash content

| Compression Set 70 hrs. @ 392°F | ASTM D395 | HF359-80 | Comp VC6 |
|-------------------------------------|-----------|----------|----------|
| Percent of original deflection, max | Method B | 29 | 83 |



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