



# SILCOTEC

## Specifications in Silicone Compounds

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### Specifications in Silicone Compounds

At SCT, silicone compounds are commonly formulated to comply with certain industry-specific material specifications like ASM, ASTM, and other military specifications. These compounds are used in applications where the silicone part will be exposed to extreme temperatures, fuel, and oil exposure.

### List of common Specifications

- ASTM: D2000, E662, D1330
- AMS 3205 - 3360
- SAE
- MIL-R-25988, 3065,6855
- ZZR-765 (AA-59588)
- Boeing
- GE

### List of Specifications at SCT

The following list summarizes some of SCT's compounds formulated to comply with the specifications above.

Specification	Description
AA-59588 / ZZR-765	Class 1B, grade 40, 50, 60, 70
AA-59588 / ZZR-765	Class 2A, grades 40, 50, 60, 70
AA-59588 / ZZR-765	Class 2B, grades 40, 50, 60, 70
AA-59588 / ZZR-765	Class 3A, grades 30, 50, 60
AA-59588 / ZZR-765	Class 3B, grades 50, 60, 70, 80
AMS 3302, 3303, 3305, 3306	45-85 durometer, weather and oil resistant general purpose silicone
AMS 3325	70-80 durometer high temperature and oil resistant fluorosilicone
AMS 3338	75-80 low temperature resistant silicone
AMS 3345	45-55 durometer, 1000 psi tensile strength silicone
AMS 3346	55-65 durometer, 1000 psi tensile strength silicone
ASTM D2000	Various
MIL-M-27274	Mask, oxygen pressure breathing
MIL-M-6482	Mask, oxygen pressure breathing
MIL-M-87163	Mask, oxygen pressure breathing
MIL-R-25988 / AMS-R-25988	Type II, Class 1, Grade 50, 60, 70. Class 3, Grade 75

### Other Specifications

SCT has an extensive portfolio of silicone raw materials, additives and modifiers that allows us to formulate silicone compounds with a variety of properties. If you are looking for a compound to meet a specification not listed above, please do not hesitate to contact our R&D department and find out how we can help your business.

### Certification & Testing

All SCT compounds formulated to comply with the above specifications require to be fully tested. Most fluid/heat ages, compression/tension sets and other tests, are done in-house as SCT has a fully equipped and certified lab to test silicone compounds per ASTM procedures. For more specialized tests, SCT relies on certified external labs to complete such tests.