

Mykin Inc

RS00170 SILICONE COMPOUND

GENERAL PROPERTIES

Mykin Inc's RQ7008G-4601 Silicone compound offers a broad temperature range, from -80° F to +400° F, and excellent dry heat resistance. Silicone has the best low temperature flexibility of all elastomers and can be used in static applications down to -150F. Silicones also has good resistance to ozone and weather. It also proves to be a good insulator. It is not recommended for dynamic conditions due to its low tensile and tear strength.

ASTM Designation	ORIGINAL PROPERTIES	ASTM D2000 SPECIFICATION
	Durometer, Shore A	70 +/- 5
	Tensile, psi (MPa), Minimum	870 (6)
	Elongation, % Minimum	150
	Specific Gravity	--
A19	HEAT AGE, 70 HRS @ 225 C	
	Durometer Change, Points	+10
	Tensile Strength Change, %	-25
	Elongation Change, % Maximum	-30
B37	COMPRESSION SET, 22 HRS @ 175 C	
	Original Deflection, % Maximum	25
EO16	ASTM #1 OIL, 70 HRS @ 150 C	
	Durometer Change, Points	0/-15
	Tensile Change, % Maximum	-20
	Elongation Change, % Maximum	-20
	Volume Change, %	0/+10
EO36	ASTM #3 OIL, 70 HRS @ 150 C	
	Durometer Change, points	-30
	Volume Change, % Maximum	+60
EA14	WATER RESISTANCE 70 HRS @ 100 C	
	Durometer Change, Points	+/-5
	Volume Change, %	+/-5
F19	LOW TEMPERATURE BRITTLINESS	
	ASTM D2137, Method A	
	3 Minutes @ -55 C	Non-Brittle
G11	Tear Resistance, Die B, ppi (kN/m)	51(9)

SPECIFICATIONS MET

- ASTM D2000-01 Grade M5GE706 A19 B37 EO16 EO36 EA14 F19 G11
- ZZ-R-765B Class 2a & 2b, Grade 70 and FDA CFR 177.2600
- AMS 3304 (Size per AS3582 which replaced MS 9068) Specification