

SSP100 Series

MIL-DTL-25988-(C) Type 1&2 Class 1 Group 70 Silicone

PRODUCT DESCRIPTION

SSP100 is a 70 durometer heat cured fluorosilicone elastomer. It is designed to meet the requirements outlined in the MIL-DTL-25988-(C) Type 1&2 Class 1 Group 70 specification. This product uses a DBPH or dicumyl peroxide catalyst system. It can be supplied as ready-to-mold compound or as compression molded sheet stock. SSP100 silicone can be pigmented to a customer's requirement, but the most popular colors produced are red, blue, and black. Operating Temperatures -70 to 450°F.

Testing	Spec	Typical Values
Shore A, points	65-75	70
Tensile Strength, psi	950	1000
Elongation, %	150	250
Tear B, ppi	75	128
Specific Gravity	1.59 – 1.65	1.62
Comp Set, % 22 hrs @ 177°C	25	20
Comp Set, % 70 hrs @ 24°C	15	15
*Other tests performed in accordance with MIL-DTL-25988-(C) Type 2 Class 1 Group 40 specification include: Brittle Point, Torsional Stiffness, Heat Aging Change, Oil & Fuel Immersion Change.		
Cure Profile: Press cure for 15 minutes at 177°C (350°F). Post Cure for 3 hours at 200°C (392°F).		

*Certification charges may apply for small quantity orders.

CATALYZING

Uncured material is available catalyzed and ready for press cure molding. Data above was generated with DBPH catalyst system.

SHELF LIFE

Catalyzed – 6 months. Cured Sheet - Indefinite
Cold storage will extend shelf life.

HANDLING & SAFETY

SDS information is available on request.

For more information visit www.sspinc.com. To order call (518) 885-8826/ or Fax (518) 885-4682.

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