# **TECHNICAL INFORMATION**



## **Closed Cell Sponge Silicone Rubber**

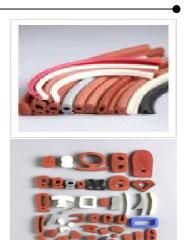
There are specially designed compounds for making closed cell sponge articles. The SPG compounds are very suitable for continue extruded profiles producing by hot air and hot liquid system.

#### # FEATURES

- Excellent high & low temperature resistant (-50 °C ~+230 °C)
- Very low compression set at high & low temperature excellent weather resistant

#### **#** APPLICATIONS

- Dry oven gaskets, Seals
- Building glazing gasket, seals
- Building movement gap absorbing gasket
- Food container gasket, packing
- Hot liquid pipe line insulation
- O/A Rolls
- Many suitable application



### **PROPERTIES**

Typical Properties	SPG-30	SPG-50	SPG-60	SPG-70
Blowing Ratio (%) approx.	200	200	200	200
Density	0.35	0.45	0.50	0.55

#### # FABRICATION TECHNIQUE

- Soften & Catalyst Mixing
- SPG Compounds must be pre-softening in the 2-roll mill for 3-5 min. and add suitable catalyst HC-2, 1.5 ~ 2.5phr depend on density and curing condition.
- The catalyst must be well dispersed with SPG compounds. And pigment can be added in these stages together with HC-2.
- The mixing temperature must be keep within 50 °C in any cases.
- Extrusion, Foaming, Curing
- Cold extruder is required (less 50 °C)
- HAV Tunnel: 1st zone: 150~180°C / 2nd Zone: 180~200°C / 3rd Zone: 200~250°C
- Post Cure : 180 ~ 200 ℃ /4hrs

#### **#** DIFFICULTIES

- There are many difficult factors on the fabrication specially dimension control and profile shape, hardness control, density control. Etc...
- All the technical and right products can be made only by longer experience.