

## HIGH VOLTAGE SILICONE RUBBER SN-BASE

SN-BASE is designed for use in multi purpose application with molding, injection, calendaring, and extrusion of profiles and wires.

### ➤ FEATURES

- ✚ Excellent physical properties.
- ✚ Excellent processability and good molding.
- ✚ Easy to blending for intermediate hardness control.
- ✚ Good heat resistance up to 250 °C - 280 °C with the heat additive HT-100 or HT-300.

### ➤ APPLICATIONS

- ✚ All molded articles gaskets, packing, O-ring, profiles and general high temp wires. Line Post Insulation.
- ✚ Food contact packing.
- ✚ Electrical article (Wire & Cable).

### PROPERTIES

Typical Properties	Test Methods	BASE 30	BASE 40	BASE 50	BASE 60	BASE 70	BASE 75	BASE 80
Colors	ASTM E 1767	Transparent						
William's plasticity	ADTM D 926	150	190	210	230	250	260	240
Specific gravity	ASTM D 792	1.08	1.13	1.14	1.16	1.18	1.19	1.21
Hardness	ASTM D 2240	31	41	51	60	70	75	80
Tensile strength (MPa)	ASTM D 412	7.5	8.5	9	9.5	10	9	8.5
Elongation (%)	ASTM D 412	600	500	350	330	290	240	230
Tear strength (kgf/cm)	ASTM D 624 "B"	10	10	10	10	11	12.5	12
Linear shrinkage (%)	JIS K 6249	4.3	4.3	4.2	4.1	4.0	3.7	3.5
Volume resistivity (ohm.cm)	ASTM D 257	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>	10 <sup>15</sup>
Dielectric strength (kV/mm)	ASTM D 149	25	25	26	26	27	27	27