

## Addition Cure Silicone Rubber ( General Purpose )

There are specially designed for addition cure AD-3900 series complies with BfR & FDA Food contact article

### FEATURES

- Excellent process ability in mold
- Excellent Mechanical Properties & good Transparency
- Non Yellowish
- Complies with FDA BfR recommendation for articles in contact with food



### APPLICATIONS

- Food Contact article (Hoses, Tubing, Packing)



### PROPERTIES

Catalyst : HC-25A / 1.0phr (140°C×10min / 200°C×4hrs)

Typical Properties	Test Method	AD-3950	AD-3960	AD-3970	AD-3980
Color	ASTM E 1716	Translucent			
William's plasticity	ASTM D 926	200	225	250	280
Specific Gravity	ASTM D 792	1.15	1.16	1.18	1.23
Hardness	ASTM D 2240	50	62	72	80
Tensile Strength (MPa)	ASTM D 412	95	95	90	80
Elongation (%)	ASTM D 412	470	420	280	250
Tear Strength (kgf/cm)	ASTM D 624 "B"	15	15	20	15
	ASTM D 624 "C"	32.5	33	35	30
Rebound resilience (%)	JIS K 6255	65	52	52	50
Compression set (%) <sup>*1</sup>	ASTM D 395	24	26	25	30
Linear shrinkage (%)	JIS K 6249	2.9	2.7	2.6	2.4
Volume Resistivity (ohm.cm)	ASTM D 257	2.1×10 <sup>14</sup>	3.4×10 <sup>14</sup>	4.2×10 <sup>14</sup>	4.5×10 <sup>14</sup>
Dielectric Strength (KV/mm)	ASTM D 149	26	25	24	25

\*1. Compression Set : 177°C×22hrs