

TECHNICAL INFORMATION



* Room Temperature Vulcanization (HRTV-XX)

HRTV-XX is a transparent two-component, addition cure and high strength liquid silicone rubber designed for mold making. HRTV-XX cure at room temperature to a high strength elastic rubber with the Mixing of A and B. It is clear, but easily pigmented. HRTV - XX offers convenient 1:1 mix ratio and easy release from molds. It is suited for molding from intricate shapes and originals with undercuts.

• FEATURES

- High strength
- Convenient 1:1 mix ratio for use with automatic equipment
- Low shrinkage and good dimensional stability
- Outstanding release properties
- Suitable for high-temperature casting

• Application

- Prototype mold making for electric & electronics industry such as TVs, home appliances, mobile phones, copy machines, etc.
- Prototype mold making for automotive industry such as console boxes, radiator grilles, lamp housings, etc.

PROPERTIES

press cure (171°C×10min)

Typical Properties		Test Methods	HRTV-2035	HRTV-2045	HRTV-1600	HRTV-250/40
Colors		ASTM E 1767	Translucent	Translucent	Translucent	Transparent
Viscosity(A/B)	Pa·s	Share Rate 10s ⁻¹	65/55	30/30	170/170	50/50
Specific gravity		ASTM D 792	1.08	1.10	1.37	1.08
Hardness		ASTM D2240	37	42	54	40
Tensile Strength (MPa)		ASTM D412	6.8	6.8	8.1	6.8
Elongation (%)		ASTM D412	500	400	290	400
Tear strength (kgf/cm)	“B”	ASTM D624 “B”	13	13	16	26
Linear Shrinkage (%)		JIS K 6249 Disk Type	0.5	0.5	0.5	0.5