# **TECHNICAL INFORMATION**



# Silicone Rubber for Keypad Application

HR-29X0U are high durometer translucent peroxide cured silicone rubber compounds for molding.

#### # FEATURES

- Translucent appearance
- High durometer grade available

## # APPLICATIONS

- Keyboard for musical instruments
- Transilluminate type key unit for cellular phones
- O-rings, gaskets, diaphragms, boots, sheets

## **PROPERTIES**

Catalyst: HC-8 / 1.8phr (171 °C×10min / 200 °C×4hrs)

Typical Properties	Test Method	HR-2960U(T)	HR-2970U(T)
Color	ASTM E 1716	Translucent	
William's plasticity	ASTM D 926	220	250
Specific Gravity	ASTM D 792	1.17	1.20
Hardness	ASTM D 2240	60	70
Tensile Strength (MPa)	ASTM D 412	9	9
Elongation (%)	ASTM D 412	400	350
Tear Strength (kgf/cm)	ASTM D 624 "B"	13	13
	ASTM D 624 "C"	25	30
Rebound resilience (%)	JIS K 6255	67	55
Compression set (%)*1	ASTM D 395	19	16
Linear shrinkage (%)	JIS K 6249	3.5	3.5

<sup>|</sup> The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.