

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