

No Post Cure Silicone Rubber

There are specially designed general-purpose silicone rubber, which reach optimum balance of properties without post cure.

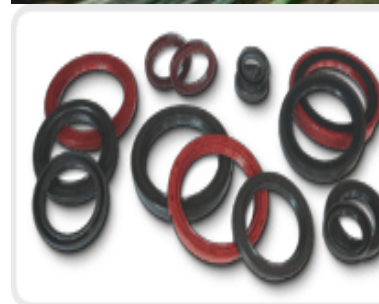
FEATURES

- Excellent elastic properties.
- Post curing is not required in case of industrial use (cost saving / short lead time)
- Can be blended for intermediate hardness between 40 and 80 hardness.



APPLICATIONS

- All industrial rubber articles (molded, extruded)
- Industrial rolls.
- Seal packing, Gaskets, Sheets.



PROPERTIES

Catalyst : HC-8 / 1.8phr (171°C × 10min / No Post Cure)

Typical Properties	Test Method	HR-NPC-140	HR-NPC-180
Color	ASTM E 1716	Transparent	Beige
William's plasticity	ASTM D 926	190	300
Specific Gravity	ASTM D 792	1.11	1.43
Hardness	ASTM D 2240	42	80
Tensile Strength (MPa)	ASTM D 412	8.5	8.5
Elongation (%)	ASTM D 412	400	150
Tear Strength (kgf/cm)	ASTM D 624 "B"	10	11
	ASTM D 624 "C"	25	22
Rebound resilience (%)	JIS K 6255	65	45
Compression set (%) ^{*1}	ASTM D 395	20	15
Linear shrinkage (%)	JIS K 6249	4	3.2

*1. Compression Set : 177°C × 22hrs