

High Transparent, High Tear Strength Silicone Rubber

There are specially designed for use in high transparent and high mechanical strength applications in food and medical industries.

FEATURES

- High transparency.
- High tear, tensile strength
- Comply with FDA Reg. 21 CFR, 177.2600
- Excellent for extrusion, molding, injection.



APPLICATIONS

- Baby Nipples (HR-1140)
- Goggles (HR-1150, 1160, 1170)
- Medical products
- Food contact products
- High mechanical products



PROPERTIES

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

Typical Properties	Test Method	HR-1130	HR-1140	HR-1150	HR-1160	HR-1170
Color	ASTM E 1716	Transparent				
William's plasticity	ASTM D 926	160	195	210	230	260
Specific Gravity	ASTM D 792	1.08	1.10	1.12	1.16	1.19
Hardness	ASTM D 2240	30	41	52	60	70
Tensile Strength (MPa)	ASTM D 412	9.0	9.0	9.5	10.0	10.0
Elongation (%)	ASTM D 412	700	600	450	400	300
Tear Strength (kgf/cm)	ASTM D 624 "B"	10	20	12	14	14
	ASTM D 624 "C"	25	36	38	38	37
Linear shrinkage (%)	JIS K 6249	4.3	4	3.9	3.6	4