

High Tear Strength Silicone Rubber

There are grades specially designed for high tear strength property with various curing agents such as 2,4-DCLBP, 2,5-DHBP.

There are used for applications such as parts with complicated shapes, large molded parts, etc.

■ FEATURES

- High Tear Strength & High Tensile Strength
- Comply with FDA Reg. 21 CFR 177.2600
- Excellent Extrusion Processability & Molding Processability
- Good Temperature Resistant (220 °C)
- High Transparent

■ APPLICATIONS

- High Property Articles
- Medical Rubber Articles (Tubing, Hose)
- Food Contacted Articles
- Sheet, Gasket
- Aircraft Articles
- Automotive article (Muffler hanger)

PROPERTIES

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

Typical Properties	Test Method	HR-2500/40	HR-2500/50	HR-2500/60	HR-2500/70
Color	ASTM E 1716	Transparent			
William's plasticity	ASTM D 926	180	200	240	270
Specific Gravity	ASTM D 792	1.11	1.13	1.16	1.17
Hardness	ASTM D 2240	40	51	61	71
Tensile Strength (MPa)	ASTM D 412	9.0	10.0	11.0	10.0
Elongation (%)	ASTM D 412	700	550	520	450
Tear Strength (kgf/cm)	ASTM D 624 "B"	32	33	39	35
	ASTM D 624 "C"	36	40	42	46
Rebound resilience (%)	JIS K 6255	55	54	49	45
Volume Resistivity (ohm.cm)	ASTM D 257	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁶
Dielectric Strength (KV/mm)	ASTM D 149	25	26	26	26
Food Contact	FDA	Yes	Yes	Yes	Yes