TECHNICAL INFORMATION



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

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

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

| 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.