TECHNICAL INFORMATION



High Performance Extrusion Molding Silicone Rubber

There are specially designed as high performance base to be used for wide range of applications with Extrusion, Press molding, Injection molding.

FEATURES

- Good Temperature resistant
- Medium-High Mechanical properties
- Excellent Extrusion Processability
- Good Molding Processability
- Good Electrical Properties
- Easy Blendable of each Hardness
- More Silica Extendable
- Comply with FDA Food Reg. 21CFR, 177.2600 21CFR 177.2600

APPLICATIONS

- Automotive Parts
- Electrical Parts
- Food Contacted articles
- Tubing, Hoses
- Profiles Packing
- Sheets
- All Molded & Extruded Products

PROPERTIES

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

Typical Properties	Test Method	BASE 300	BASE 500	BASE 700
Color	ASTM E 1716	Transparent		
William's plasticity	ASTM D 926	160	200	250
Specific Gravity	ASTM D 792	1.08	1.14	1.18
Hardness	ASTM D 2240	35	53	70
Tensile Strength (MPa)	ASTM D 412	9.0	11.0	11.0
Elongation (%)	ASTM D 412	600	550	400
Tear Strength (kgf/cm)	ASTM D 624 "B"	16	22	24
Rebound resilience (%)	JIS K 6255	65	50	50
Compression set (%)*1	ASTM D 395	45	40	31
Volume Resistivity (ohm.cm)	ASTM D 257	2×10 ¹⁵	4×10 ¹⁵	4×10 ¹⁵
Dielectric Strength (KV/mm)	ASTM D 149	25	26	26
Food Contact	FDA	Yes	Yes	Yes

^{*1.} Compression Set: 177 °C × 22hrs

[|] 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.