

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