

SILICONE RUBBER PROFILE

Silicone Engitech is specialist in silicone extrusions manufacturing, fabrication, and producing complex shape profiles frequently used by highly technical Industries. Silicone profile available in any customized shape and size, also new product development as per customer's requirement.

Applications:-

- Automotive - Seals & Gaskets
- Aerospace and military Seals & Gaskets
- Chamber Seals
- Lighting Industries-
- Construction -(door seals, window seals, protective seals between glass & steels)
- Dairy Fluid Handling Tubing and Dairy Seals
- Electronics washers, spacers and seals
- Door Seals & Gaskets
- Oven and manway seals
- High temperature sealing
- HVAC Equipment-wire seals, sealing chambers conditioning
- Rail and Mass Transit Seals
- Oil & Gas resistant seals
- Pharmaceutical USP Class Vi Tubing and Custom Seals
- Marine and Defense-Hatch Seal, Inflatable Seals, Molded Rubber Parts

Key Features:-

- 10 TO 80 Shore A hardness options
- Non-reactive
- Excellent flexibility
- Available in custom lengths and Durometers
- Resistant to Ozone and UV
- Thermal conductivity
- Moisture and steam resistance
- Chemical Resistance
- Temperature range from -40°C TO 250°C
- FDA approved

Technical Data:-

Physical Properties	Test Method	Units	Typical Values
Specific Gravity	DIN EN ISO 1183-1 A	g/cm ³	1.15
Hardness, Shore A	ASTM D2240	SHORE A	60±5
Tensile strength psi(Mpa)	ASTM D412	MPA	10
Elongation (%)	ASTM D412	%	440
Tear Resistance, Die B lbf./in. (KN/m)	ASTM D624	KN/M	25
Tensile Modulus @100%psi(Mpa)	-	-	-
Temperature Rating	-	°C	-40 TO 220
Compression set 22h@175°C	ASTM D395 method B	%	31

Type of Profile:-

- Window Seal
- U Channel
- T-Shape
- Triangle-Seal
- Trapezoid-Seal
- L-Shape
- Omega-Seals
- P-Seal
- Rubber-Strips
- Solid-D-Seal
- Square
- Tadpole
- Lip-Seal
- H-Shape
- Bulb Seal
- E-Seal
- Double Bulb
- Door Seals