

# Silicone Rubber Compound

## Introduction

- Name: Silicone Compound
- Product standard: Q/ZTFG 026-2016 《Silicone Compound》
- Appearance: Milky translucent, no obvious mechanical impurities.
- Technical indexes:

Technical requirements of key adhesive Series blends:

Item	Qualification					
	ZT-7130	ZT-7140	ZT-7150	ZT-7160	ZT-7170	ZT-7180
Density (25°C, g/cm <sup>3</sup> )	1.08±0.05	1.13±0.05	1.15±0.05	1.19±0.05	1.22±0.05	1.25±0.05
Shore A	30±3	40±3	50±2	60±2	70±3	80±3
Tensile Strength /MPa	≥3.0	≥5.0	≥6.5	≥6.5	≥6.0	≥5.5
Elongation/%	≥380	≥320	≥280	≥220	≥150	≥100
Tear Strength/ (kN/m )	≥8	≥10	≥12	≥12	≥10	≥10
Permanent Set %	≤6	≤8	≤8	≤8	≤7	≤6
Elastic Resilience /%	/	/	/	/	/	/
Plasticity Index /mm	/	/	/	/	/	/

Technical requirements of mixed rubber series:

Item	Qualification					
	ZT-7230	ZT-7240	ZT-7250	ZT-7260	ZT-7270	ZT-7280
Density (25°C, g/cm <sup>3</sup> )	1.08±0.05	1.13±0.05	1.15±0.05	1.19±0.05	1.22±0.05	1.25±0.05
Shore A	30±3	40±3	50±2	60±2	70±3	80±3
Tensile Strength /MPa	≥3.0	≥5.0	≥6.5	≥6.5	≥6.0	≥5.5
Elongation/%	≥400	≥350	≥300	≥250	≥180	≥100
Tear Strength/ (kN/m )	≥8	≥10	≥12	≥12	≥10	≥10
Permanent Set %	≤8	≤12	≤12	≤12	≤12	≤10
Elastic Resilience /%	/	/	/	/	/	/
Plasticity Index /mm	/	/	/	/	/	/

- Applications: Can be used for button O ring, gasket, shaft seal, cots and other molded products.
- Packaging and storage: This product is packed in double corrugated box, 20kg/cartons. Please store in a cool, ventilated and dry place, Keep away from fire and heat source and store sealed.
- Transport: Transport by ordinary cargo, Watch out for rain, dampproof and sunscreen. It is recommended that the number of superimposed layers should not exceed eight layers.
- Warranty period: 3 months