WAHCHANGWEI

DS-PSR-2026-01
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Pure Silicone Rubber Tubing — Grade PSR

8 Grades · FDA / LFGB

Technical datasheet · WCW (Shenzhen Wahchangwei Industrial Co., Ltd.)

Construction: pure silicone rubber tubing, extruded from Japanese, US and German raw materials. Odorless and body-friendly — the first choice wherever the fluid path touches food, drinking water or the human body. PFAS-free options available. Custom colors, hardness and dimensions on request.

1 · Grades & Model Numbers

MODEL	GRADE DESCRIPTION	SINGLE WALL
PSR-T	Translucent	0.5 – 0.7 mm
PSR-Ta	Translucent, thickened	thickened
PSR-HT	High transparency	0.5 – 0.7 mm
PSR-HTa	High transparency, thickened	thickened
PSR-M	Creamy white	0.5 – 0.7 mm
PSR-Ma	Creamy white, thickened	thickened
PSR-MS	Creamy white, flame-retardant	—
PSR-MSa	Creamy white, flame-retardant + thickened	thickened

Suffix “a” = thickened wall version. Wall thicknesses other than the standard 0.5–0.7 mm are quoted on request.

2 · Common Properties (All Grades)

PROPERTY	VALUE
Dielectric strength (pressure)	4000 V – 10000 V
Heat resistance (operating temperature)	−60 °C to +200 °C

Hardness	Shore A 60 – 80
Tensile elongation	≥ 250 %

3 · Typical Applications

Water dispensers and purifiers, coffee machines, steam cleaners and small appliances — anywhere a clear, odorless food-contact fluid path is required. Medical and laboratory equipment: ventilators, oxygen concentrators, dental equipment, beauty devices. The smooth, inert silicone surface keeps the tubing suitable for long-term contact with drinking water and sensitive fluids.

4 · Compliance & Documents

Food contact	FDA / LFGB documentation available on request
Material options	PFAS-free grades available
Quality system	ISO 9001:2015 · IATF 16949:2016 · ISO 14001:2015 · ISO 45001:2018
On request	RoHS, REACH SVHC statements; certificate copies for supplier qualification

WCW · Shenzhen Wahchangwei Industrial Co., Ltd. — source manufacturer since 2002. UL / CUL certified since 2003, IATF 16949:2016, exporting to 60+ countries.
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Data believed accurate as of the revision date; confirm critical values against your own qualification testing.