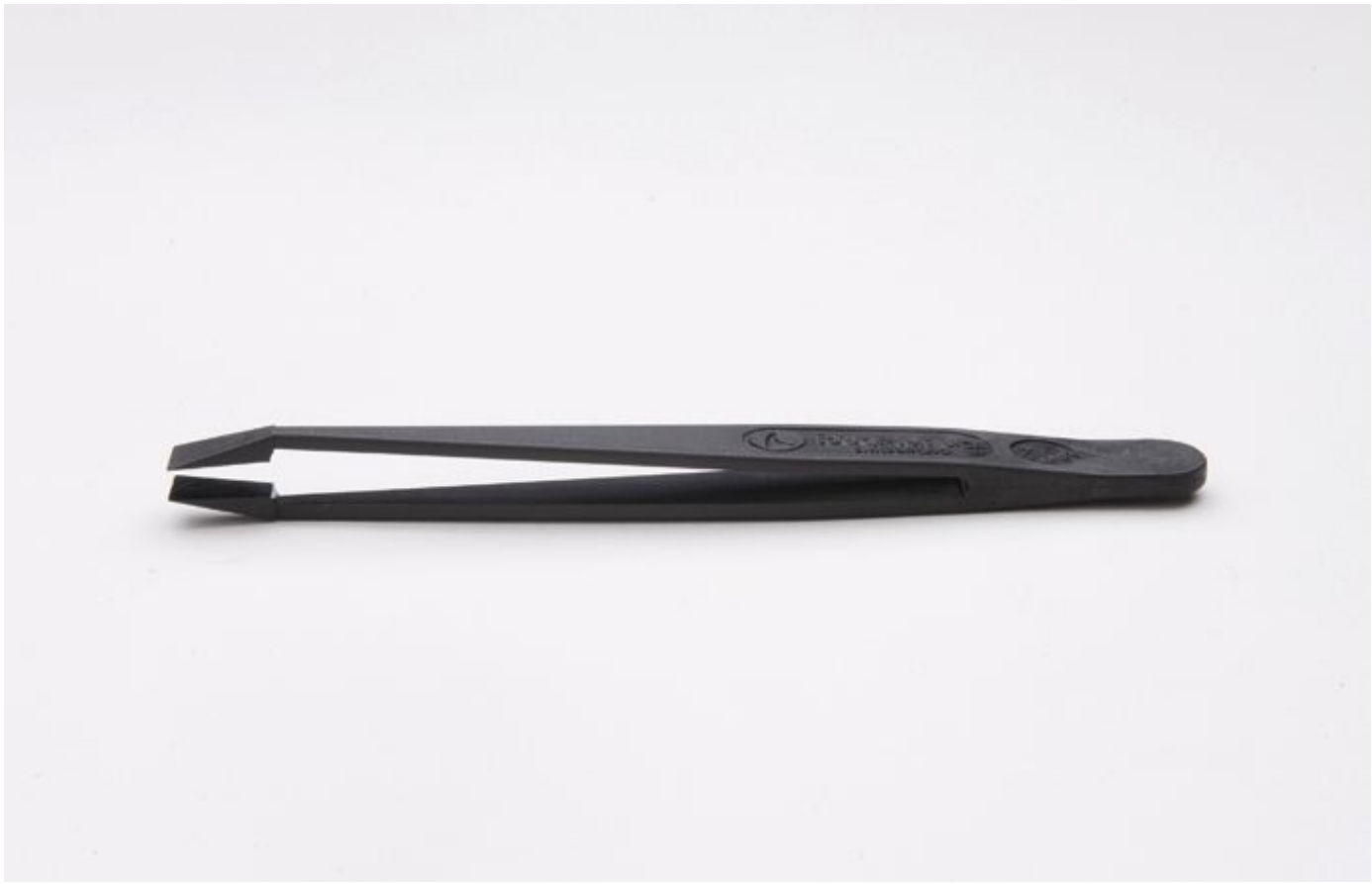
ideal-tek swiss made

Electronics

Tweezers
710 Full Plastic Tweezers



Fine padle tips

A 4 1/2" 115 mm
B 0.03" 7.7 mm
C 0.02" 0.5 mm

710.SV **Fine padle tips; black ESD PVDF (SV)**

General notes

- **PVDF** polyvinylidene fluoride carbon fibre reinforced
- excellent mechanical strength and toughness
- smooth surface
- heat stabilized, high heat capability, continuous use temperature up to 150°C
- high purity (clean room and medical devices approved, low extraction value)

- excellent chemical resistance to most aggressive substances (mineral and organic acid) and solvents (hydrocarbons, alcohols, halogenated), resistant to halogens
- outstanding resistance to hydrofluoric acid (40% conc., 90°C), nitric acid (50% conc., 90°C), hydrochloric acid (36% conc., 90°C)
- high abrasion resistant
- resistant to UV and nuclear radiation (sterilisation)
- ESD safe material, (avoid powder attraction, sparks generation, ignition sources)
- typical applications include handling of very scratch- and contamination-sensitive components, cleaning and etching processes.

Mechanical properties

Flexural modulus +23°C:	7500 MPa	ASTM D790
Tensile modulus +23°C:	8000 MPa	ASTM D638
Tensile strength +23°C:	120 MPa	ASTM D638
Flexural strength +23°C	150 MPa	ASTM D790
Shore D hardness:	82	ASTM D2240
Izod-Impact strength (notched) +23°C	110 J/m	ASTM D256

Thermal properties

Temp. of defl. under load (1.80 MPa):	158°C	ASTM D648
Temp. of defl. under load (0.45 MPa):	170°C	ASTM D648
Vicat softening temperature (50°C/h 50N):	172°C	ISO 306
Coef. of lin. therm expansion, normal:	7.00 E-5/°C	ASTM D696
Continuous Use Temprature	150°C	20'000 h
Short Time Temperature	200°C	

Credits