

4WFCPR Plastic Replaceable Wafer tips Tweezers



Platic replaceable tips tweezers for 4 inches wafer.

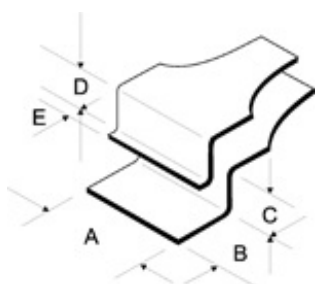
A 0.47" 12 mm

B 0.41" 10.5 mm

C 0.08" 2.0 mm

D 0.14" 3.5 mm

E 0.18" 4.5 mm



A4WFCP

Replaceable tips set

General notes

- **PEEK** polyetheretherketone reinforced with carbon fibre

- very hard, rigid, high tensile and flexural strength, very high wear resistance
- high heat capability (260-300°C), good dimension stability, low thermal linear expansion coefficient
- excellent resistance to chemicals and aggressive agents, excellent resistance to thermal ageing
- ESD-safe material
- typical applications include handling of components in cleaning/chemical/assembly processes also at high temperature (soldering)

Mechanical properties

Flexural modulus +23°C:	21400 MPa	ISO 178 ASTM D 790
Flexural strength +23°C:	350 MPa	ISO 178 ASTM D 790
Tensile modulus +23°C:	24000 MPa	ISO 527 ASTM D 638
Tensile strength +23°C:	190 MPa	ISO 527 ASTM D 638
Izod - Impact strength (notched) +23°C	65 J/m	ISO 180/4A ASTM D 256

Thermal properties

Temp. of defl. under load (1.80 MPa):	300°C	ISO 75 ASTM D648
Continuous Use Temperature:	260°C	20'000 h
Short Time Temperature	300°C	

Electrical properties

Surface resistivity:	10 ⁵ - 10 ⁶ Ohm	
Decay time:	< 0.2 sec	1000-10 V

Other properties

Density	1.39 g/ccm	ISO 1183
Water absorption in water 23°C (24h)	0.01%	ISO 62

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