

Process: **Proco – E-CTFE 3002**

- Typical features:**
- **Maximum resistance to chemicals**
 - **High Purity**
 - **Improved permeation resistance**
 - **Food compliant**

Proco – E-CTFE 3002 is a coating process primary for food-processing or other sensitive industrial sectors which also make high demands for a smooth surface beside the excellent chemical permanence.

Areas of application:

Apparatus construction: columns, reactors, valves, fittings, laboratory equipment, temperature sensors, chemical tanks, mixers, centrifuges, ultrapure water systems (ozone resistant), trays/baskets for medicine technology and optics

Mechanical engineering: vats, mixers, worm conveyors, moulds, slides, insulations, drying chambers, components for semiconductor industry

Properties:	Characteristic:	thermoplastic
	Colour:	perl-white
	pH-range:	1 – 14
	Layer thickness:	400 – 800 µm
	Shore hardness:	ca. D 75
	Maximum permissible heat load, dry:	150 – 180°C
	Melting point:	225°C
	Brittle temperature:	- 76°C
	Specific weight:	1,68 g/cm ³
	Porosity testing:	according to DIN 55770 A
	Roughness:	ca. 0,3 – 0,5 µm Ra
	Thermal conductivity:	0,20 W/cm K
	Radiation resistance:	2 x 10 ⁶ Gy
	Water absorption:	<0,1%
	Approvals:	general approvals for the contact with food according FDA and EC (1935/2004)
	Pre-treatment:	anti-corrosive sandblasting Sa 3 (DIN EN ISO 12944-4)

The planning and manufacture of coatings are subject to the general instructions of DIN EN 14879-1.