
Process: **Proco –PTFE / FEP**

- Typical features:
- nonstick
 - well sliding
 - good separation
 - good temperature resistance
 - low coefficient of friction
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Example of use: **packaging industry:** forces, heating plates, sealing tools, knives, draw dies, rails, guide strips

textile industry: slide rollers, dye pans, drying cylinders

plastic and industry: welded sleeves, calenders, mouldings, heated flat plate

paper industry: drying cylinders, guide rolls, paint troughs

food industry: rolls, baking moulds, sheet metals, mixers, feed hoppers, conveyors

chemical and pharmaceutical industry: portioning and feeding tools, conveyance chutes, agitators, valves, containers, sheet metals, mouldings, mixers

mechanical engineering: screws, bolts, fans, rotors, reactors

Proco –PTFE can be used on many other articles made of carbon steel, stainless steel, aluminium or elastomers where a non-stick surface is desired and sliding or separation is optimised.

Specialities: Depending on application and requests we can offer you different types of Proco –PTFE-coatings. Also available are primer surfaces such as plasma (aluminium oxide, stainless steel), curing chromium and aluminium.

For technical details please look at the table on the backside.

type:	PTFE 1010	PTFE 1632	PTFE 5877	PTFE 5838	PTFE 8700	FEP 1235	FEP 8840	PTFE G3 Resist
character								
colour*	black / grey	black	black	brown / silver	anthracite sparkling	green	green, brown, red, ...	anthracite sparkling
thickness; maximum	50 µm	20 µm	50 µm	60 µm	30 µm	50 µm	50 µm	60 µm
food contact			X	X	X	X	X	X
operation temperature; maximum	285°C	150°C	250°C	250°C	250°C	200°C	200°C	250°C
coating temperature	250°C	100- 180°C	400°C	360°C	420°C	400°C	400°C	400°C
non stick	good	good	good	good	excellent	very good	very good	very good
abrasion resistance	very good	good	good	very good	good	good	good	excellent
adhesion to surface	very good	good	very good	very good	very good	very good	very good	very good
corrosion prevention	good		good	good	moderate	good	good	good
conductivity			10 ⁸ Ω	silver: 10 ³ Ω				10 ⁵ Ω
combination with ...								
... steel	X		X	X	X	X	X	X
... aluminium	X		X	X	X	X	X	X
... curing aluminium	X		X	X	X			
... plasma	X		X	X	X	X	X	
... curing chromium	X		X	X	X	X	X	
... elastomeres		X						

* please ask us for further colours: white, blue, sparkling grey and others