

PRODUCT DATA SHEET F-LON® 5080 Series

F-LON® 5080 is an excellent **Low Friction** coating.

F-LON® 5080 is a patented Fluoropolymer coating applied in a single coat, exhibits the following properties:

- Exceptional hardness at elevated temperatures.
- Outstanding abrasion/wear resistance.
- Excellent adhesion to most substrates.
- Easy application techniques.
- Good chemical resistance against a range of chemicals.
- Extreme pressure capability contains MoS₂/PTFE.

F-LON® 5080 was developed for applications which:

- Require excellent dry film lubrication.
- Require the optimum balance of low friction, hardness and durability.
- Are required to function at elevated temperatures, i.e. > 200 °C.

Appearance: Smooth, satin finish, with slippery/ waxy feel which is typical of PTFE finishes.

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Recommended Dry Film Thickness	20 +/- 5 microns on flat plates
Substrates	Any metallic substrate.
Pre-treatment	Phosphate, gritblast, degrease or passivation.
Application method	Hand spray or automatic spray line.
Curing schedule	220°C -345°C
Operating Temperature	- 195°C -260°C
Colours available	All colours, except white and light Pastel shades technically possible.
Typical applications	Examples of successful applications include rotary actuators, hinge pins, carburetors, bearings, any mating surfaces which require lubrication.
Other properties	Wear/Abrasion resistance Cryogenically stable

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