

**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 MoS<sub>2</sub>/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.

**F-LON® 5080 Series**

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

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