



IPC SYSTEM 4

High-performance fluoropolymer coatings that are designed to provide low-friction and corrosion resistance.

- ➔ A thin film fluoropolymer composite coating with a high loading of PTFE providing release and non-stick properties.
- ➔ Exceptional success in preventing asphaltene build up on down hole components.
- ➔ Low friction, resin bonded coating.
- ➔ Used to lubricate and protect fasteners and components in corrosive environments.

Specific Advantages:

- ➔ Applied in thin film that allows application in tolerance areas.
- ➔ Custom colors and fillers allow broad range of service compatibility.
- ➔ Various options are available to meet specific applications. Consult our professional license engineer.

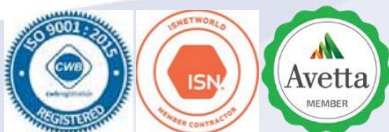
PROPERTY	ASTM	UNIT	RATING
Salt Spray Resistance	B-117	Hours	744+
Maximum Use Temp	Continuous	°F/°C	500/260
Coefficient of Friction	D1894	static	0.12- 0.15
Coefficient of Friction	D1894	kinetic	0.05-0.10
Hardness	D2240	Shore D	50-65
Tensile Strength	D638	MPa	21-35
Elongation	D638	%	300-500
Flexural Modulus	D790	MPa	500
Dielectric Strength	D149	V/m	1200
Surface Resistivity	D257	Ω/sq	1.0x10 ¹⁸
Water Absorption	D570	%	<0.01



Successful Applications:

IPC's thin film coatings have been successfully applied to the wetted parts of a wide array of oilfield components which are subject to severely corrosive environments. Components such as valves, fittings, pipe spools, down hole completion tools etc. are some examples of what we can do.

IPC has proven coatings for severe service conditions for various applications (injection wells, brine service, CO₂/H₂S service), in the most corrosive fields in Western Canada - Judy Creek, Brintnell, Pelican Lake, Redwater, the Bakken Play, the Cardium Play, Horn River, Provost, Winter, and Zama.



Proven Solutions. Extreme Performance.

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