



IPC SYSTEM 3M

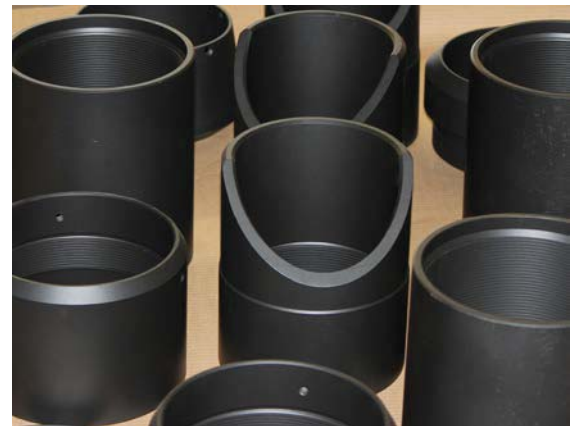
A multi-coat systems of Teflon FEP coating that provides nonporous films with excellent chemical resistance, release, and abrasion.

- ➔ Excellent corrosion resistance to many harsh chemicals.
- ➔ Unaffected by H₂S or CO₂, chlorides, and brine.
- ➔ Excellent release and abrasion resistance.
- ➔ FDA Compliant.

Specific Advantages:

- ➔ A primer and topcoat system.
- ➔ Incorporates pure Teflon topcoat.
- ➔ Can be applied from 1 to 10 mils.
- ➔ Non-porous film.
- ➔ Ability to uniformly coat various complex shapes.

PROPERTY	ASTM	UNIT	RATING
Salt Spray Resistance	B-117	Hours	744+
Maximum Use Temp	Continuous	°F/°C	400/205
Coefficient of Friction	D1894	static	0.12- 0.20
Coefficient of Friction	D1894	kinetic	0.08 - 0.03
Hardness	D2240	Shore D	56
Tensile Strength	D638	MPa	23
Elongation	D638	%	325
Flexural Modulus	D790	MPa	586
Dielectric Strength	D149	V/m	53
Surface Resistivity	D257	Ω/sq	>1.0x10 ¹⁶
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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