



IPC SYSTEM 7B

Thermally cured MoS₂ based solid film lubricant that is specifically designed to provide lubrication in higher load carrying applications.

- ➔ Very good wear life.
- ➔ Very good chemical resistance.
- ➔ Good Abrasion resistance.
- ➔ Ideal for extremely high load carrying application.
- ➔ Meet MIL-L-46010E Type1 & SAE AS5272 Type 1 Specs.

Specific Advantages:

- ➔ Thin film lubricant.
- ➔ For uses between -100°F to 300°F.
- ➔ Load Carrying capacity of up to 250,000 Psi.
- ➔ Lubricates under hard vacuum.

PROPERTY	ASTM	UNIT	RATING
Salt Spray Resistance	B-117	Hours	<240
Maximum Use Temp	Continuous	°F/°C	750/399
Coefficient of Friction	D1894	static	0.5
Coefficient of Friction	D1894	kinetic	0.04 - 0.08
Hardness	D3363	Pencil	2B
Taber Abrasion	D-1044	Cycles/1000	6.4
Endurance	D-2714	72rpm, 21 lbs. load	257k cycles
Flexural Modulus	D790	MPa	n/a
Dielectric Strength	D149	V/m	n/a
Surface Resistivity	D257	Ω/sq	n/a
Water Absorption	D570	%	n/a



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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