

DOC NO	REV	ISSUED	CLASS
TDS-JETHREAD-PX	01	10/2026	Thread compound

TECHNICAL DATA SHEET

JETHREAD PX

Metal-Free Premium Thread Compound · Casing, Tubing & Line Pipe · -29 °C to +232 °C

FOUR-BALL WELD POINT ≥ 620 kgf	DROPPING POINT > 232 °C	FRICTION FACTOR 1.0 vs API mod.	SERVICE RANGE -29 °C to +232 °C
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DESCRIPTION

JETHREAD PX is JETTA's metal-free thread compound for premium connections. It is engineered for the demands of proprietary metal-to-metal seals and high-interference designs, including connections in high-chrome and high-alloy steels, where the right compound protects the connection as much as the steel itself.

Its performance comes from a precisely controlled solids package: high- and low-strength polymers and solid lubricants with a tight, largely sub-micron particle size, carried in a complex-thickened base grease. The film bonds to metal and stands up to high make-up loads with galling protection equal to heavy-metal compounds, without any metals and with a relatively low solids content. Friction stays consistent from joint to joint, so connections reach full engagement without restriction.

MAKE - UP

Friction behaviour differs between premium connection designs. Confirm the torque needed for full engagement before running, or refer to the connection manufacturer's guidance. Because of its fine particle size, JETHREAD PX is not the first choice for sealing buttress thread forms.

BENEFITS

- Completely metal-free formulation
- Strong film against galling
- H₂S inhibited
- 6–9 months protection in storage
- Sub-micron solids for tight tolerances
- Made for high-chrome and alloy steels
- Holds on wet or oily threads
- Consistent friction, repeatable make-up

SERVICE RANGE

- -29 °C to +232 °C (-20 °F to 450 °F)

STORAGE PROTECTION

- 6 to 9 months on properly prepared connections

PACK SIZES

Supplied in a range of pack sizes. Contact JETTA for availability.

APPLICATIONS

- Premium metal-to-metal seal connections on casing, tubing and line pipe
- 8-round connections
- Flow lines, nuts, bolts and jacking systems

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Colour	–	Black
Thickener	–	Complex
Base fluid	–	Mineral oil
Metal content	–	Metal-free
Cone penetration, 0.1 mm	ASTM D217	325 – 345
Specific gravity	–	1.24 – 1.28
Density	–	10.3 – 10.7 lb/gal
Flash point, °C	ASTM D92	> 288 (550 °F)
Dropping point, °C	ASTM D2265	> 232 (450 °F)
Four-ball weld point, kgf	ASTM D2596	≥ 620
Friction factor relative to API modified *	–	1.0
Service temperature range	–	-29 °C to +232 °C

* Friction behaviour varies between premium connection designs. Confirm the torque required for proper engagement before running, or consult the connection manufacturer.

Typical values, not a specification.