

## TCZ 50

*Zinc Base Thread Compound for Tool Joints & Drill Collars  
and Other Rotary Shouldered Connections*



### YOUR BENEFITS

- MOLYGRAPH® TCZ 50 contains over 50% powdered high purity zinc. This ensures a leak proof seal even in extreme pressures. The zinc compounds prevent galling and seizing and the need for excess Torque application to achieve break-out. These do not build up on threads and protect against additional make up. Chosen additives help the compounds guard against corrosion and they are easily brushable, resist water absorption and retain consistency over a wide range temperature.
- Service Rating: (-) 12°C [10°F] to (+) 177°C [350°F].

### APPLICATION

- For use on Tool joints, Drill collars and other Rotary Shouldered connections.
- Compound conforms to API RP 7A1.

CHARACTERISTICS	TEST METHOD	UNIT	TECHNICAL VALUES
Appearance	Visual	-	Smooth Paste
Colour	Visual	-	Grey
Flash Point ( of Base Oil)	ASTM D 92	°C	220
NLGI Grade	-	-	#1/2
Worked Penetration@ 25°C	ASTM D 217	0.1 mm	290 – 310
Dropping Point	ASTM D 2265	°C	180
Brushability	App. F*	°C	(-)12
Zinc Content	ASTM D 7303 2017	%	50

*The values quoted above are typical and do not constitute a specification.*

#### Caution:

*Compound not recommended for rotary shouldered connections.*

*Do not use on Oxygen lines or in atmospheres that have high content of Oxygen.*

#### INDUSTRY:

Oil & Gas

#### PACK SIZE:

25 Kg Bucket

#### SHELF LIFE:

24 Months

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product. MSDS available on request. Due to continual upgradation of products above data is subject to change without notice.

This supersedes our previously issued data sheets.

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