

## TCL-60

**Lead Base Thread Compound  
For Drill Collars**

**MOLYGRAPH® TCL-60** contains over 60% finely powdered metallic lead. This compound has been used on Drill Collars and Drill Pipes for maximum protection. Lead takes care of absorbing shocks and vibrations. It provides uniform make up and break out. No build-up of lead on the shoulders and threads of the connections. The compound prolongs thread life and protects shoulders of drill collars and drill pipes against galling and seizing. Base grease provides lubrication up to 180°C [356°F] and Lead provides up to 325°C [617°F].

Service Rating: (-) 12°C [10°F] to (+) 274°C [525°F].

**Recommendation:** Chiefly for Drill Collars. Also finds applications on tool joints, casing, tubing, pipe joints, studs, bolts, nuts and screws, gaskets, flange connections, pumps and pipe line connections and other rotary shouldered connections.

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Smooth Paste
Colour	Visual	–	Blackish
Flash Point (Base Oil) [Min.]	-	°C / °F	200 / 392
Worked Penetration	ASTM D-217	0.1 mm	290 – 310
Dropping Point	ASTM D-2265	°C / °F	+ 180 / 356
Brushability	-	°C / °F	(-) 12 / 10
Lead Content	-	%	60

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

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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