

# Shell FENELLA® Oil P 401 N

## Neat Profiling Oil

Shell FENELLA® Oil P 401 N is a special synthetic product for Cu-coated steel tubes production.

### Performance Features and Benefits

Shell FENELLA® Oil P 401 N is chlorine free product and does not contain heavy metals. It is free from aromatic hydrocarbons.

The product provides good lubricity and does not leave any carbon residue in and on the tubes after annealing. Shell FENELLA® Oil P 401 N gives an excellent surface quality of tubes and helps to increase the lifetime of tools.

### Main Applications

Shell FENELLA® Oil P 401 N is a special synthetic lubricant which was developed for Bundy, to be operational in the production of Cu-coated steel tubes.

Advice on applications not covered in this handbook may be obtained from your Shell representative.

### Storage Requirements

The product should be stored inside (41-104°F) no more than 2 years and be protected from freezing.

### Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

### Protect the Environment

Do not discharge into drains, soil, or water.

## Typical Physical Characteristics

	Method	Shell FENELLA® Oil P 401 N
Density @ 20 °C in kg/L	ASTM D 4052	0.967
Kinematic Viscosity cSt @ 40 °C @ 100 °C	ASTM D 7042	59 11
Flashpoint in °C (COC)	ASTM D 92	240
Ash residue %	DIN 51575	Max 0.01
Cu Corrosion	ASTM D 130	3b
Color		Colorless

*These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.*