# PNEUMA

## Mineral oil for pneumatic tools

### Applications
Pneumatic tools

**PNEUMA** is formulated from high quality base stocks and specific additives to meet the requirements of pneumatically operated equipment, percussion, or rotary, such as rock drills and jack hammers. It is adapted to underground and surface mining operation, as well as other industrial applications, at any ambient temperature thanks to a wide viscosity range and low pour points.

### Specifications
International specifications

- ISO 6743/11 Class ISO-L-PAB.

### Advantages
Long lasting equipment

Operating cost savings

- High impact strength due to the extreme pressure additives preventing the equipment wear
- Emulsifiable, to prevent wear, corrosion, and sludges due to the presence of water, to increase drain intervals and equipment lifetime
- High tackiness to maintain continuous oil film, reducing oil mist pollution and oil consumption
- Antirust properties to protect the equipment and increase the lifetime

| TYPICAL CHARACTERISTICS | METHODS | UNITS | Pneuma | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 46 | 68 | 100 | 150 | 220 | 320 |
| Density at 15 °C | ISO 3675 | kg/m$^3$ | 878 | 888 | 889 | 892 | 894 | 896 |
| Viscosity at 40°C | ISO 3104 | mm$^2$/s | 46 | 68 | 100 | 150 | 220 | 320 |
| Viscosity index | ISO 2909 | - | 109 | 102 | 102 | 101 | 99 | 98 |
| Open cup Flash Point | ISO 2592 | °C | >220 | >220 | >220 | >220 | >220 | >220 |
| Pour point | ISO 3016 | °C | -30 | -30 | -23 | -18 | -12 | -12 |

Above characteristics are mean values given as an information.

**TotalEnergies Lubrifiants**
INDUSTRY & SPECIALTIES
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For additional information, contact your local TotalEnergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com