

Shell

ENSIS PL 1608

High Performance Prelube



New technology prelube combining excellent corrosion protection and outstanding drawing capabilities

Advanced formula prelube recommended for:

- Corrosion protection for multi-metal usage
- Drawing metals parts for automotive industry and general manufacturing

Why choose Shell Ensis PL 1608?

- Excellent multi-metal corrosion protection
- Reduced need for additional lubrication due to outstanding performance in deep drawing applications
- Easier application and better filterability at room temperature
- Lower usage due to better coverage properties
- Suitable for electrostatic and roller applications, approved by equipment manufacturers (GFG Peabody, Fara, Duma, Ravarini)

Technical Data

Specification and Approvals

Shell Ensis PL 1608 is formulated to meet the German Automobile Manufacturers specification VDA 230-201.

Compatibility

Shell Ensis PL 1608 is compatible with multi-metal components/pipework systems. It is compatible with commonly used seal materials and downstream operations.

Typical Physical Characteristics

Shell Ensis PL 1608	
Appearance @ 25 °C	Brown oil
Specific gravity @ 15 °C	0,912
Kinematic Viscosity @ 40 °C	65
Flash point (SFCC) °C	200
Fire point (COC) °C	205

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

DESIGNED TO MEET CHALLENGES



Shell Lubricants

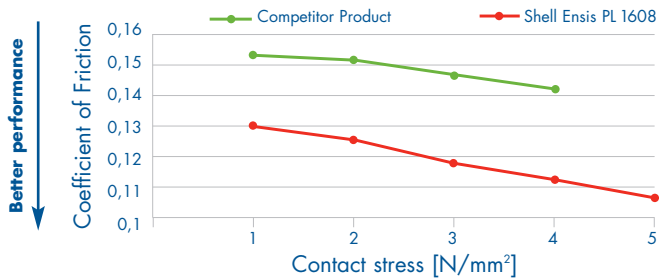
Shell Ensis PL 1608

Shell Ensis PL 1608 can be used as a rust preventative oil on rolled sheet steel, coated strip and aluminium during the finishing process in order to provide corrosion protection during storage and transit. It also exhibits excellent drawing properties and can easily be removed even by water based cleaners. Shell Ensis PL 1608 can be applied neat by roller or electrostatic application methods. Typical coating weights are between 1.5 to 2.5 g/m².



Excellent drawing properties

Benefit: Reduced need of additional lubrication for stamping deeper and more complex parts.



Shell Ensis PL 1608 shows better drawing properties as measured in the Strip Draw Test at the University of Darmstadt (Germany).

Comparison on Steel 1403 electrolytically galvanised (PIU64), sliding velocity $v_s=25\text{mm/s}$

Deep drawing deformation achieved with Shell Ensis PL 1608



Floor panel of a passenger car

Excellent anti-corrosion performances

Benefit: Peace of mind even in severe conditions



Shell Ensis PL 1608

Competitor product



Shell Ensis PL 1608

Competitor product

Shell Ensis PL 1608 demonstrates better anti-corrosion performances as measured in the extremely severe Salt Spray Fog Test (ASTM B 117) by an independant laboratory.

For further information, contact;

