



Polartech® 8712 Synthetic Watermix Forming Lubricant Package

Application

Polartech® 8712 is an oil free water soluble package for the production of high performance pressing and forming fluids. The high lubricity package is specifically designed for forming with aluminium alloys.

Key Performance Benefits

- Designed for aluminium forming
- Water soluble for easy wash off
- Use at low concentrations to leave an almost dry film
- Exceptionally low staining
- High performance without chloroparaffins
- Excellent multi-metal compatibility

Water Compatibility

- Typical 50 to 400ppm (calcium carbonate)

Typical Concentrate Blend Ratios

Polartech® 8712, % wt: 40
Good quality water, % wt: 60

Free Form Added

- Boron
- Secondary amines
- Sulphur EP
- Chlorine EP
- Triazine biocides
- Sodium nitrite
- Silicone oil defoamers
- Phenolic couplers
- Nonyl phenol and NP ethoxylates
- Colouring dyes

Typical Finished Product Characteristics

Concentrate

Appearance: Yellow fluid
Specific Gravity at 20°C: 1.04

Solution

Appearance: Translucent
pH at 5%: 8.8
Reichert Wear Test, at 100%:
Wear Ratio: 5
Noise reduction (m): 7

Storage

Store inside warehouse, ideally between 10°C and 30°C
Store out of direct sunlight
Shelf life of 12 months from the date of supply
Avoid water collecting on barrel top

