

ECOCOOL 1030 S

Water Miscible Semi-synthetic Coolant for Aluminum Alloys

Description

ECOCOOL 1030 S is cost effective, low-mineral oil, containing, water-miscible semi-synthetic coolant. It forms a long-life, stable and finely dispersed clear translucent emulsion when mixed with water. It is free of nitrite, chlorine, zinc and phenols.

Benefits

- Low foam tendency
- Excellent lubricity and flushing properties
- Extends tool life in arduous machining
- Good emulsion stability
- Strong bio-stability
- Good rust protection to the machines
- Stable in hard water up to 1000 ppm CaCo3/l

Application

- ECOCOOL 1030 S is especially suitable for cast aluminum and aluminum alloys.
- ECOCOOL 1030 S also can be used for cast iron and carbon steel as well.
- Recommended for drilling, milling, reaming, tapping, boring, and grinding operations, up to medium machining ability operations
- Recommend concentration:
Normal machining: 5 - 8%
- Difficult machining: 8- 12%

Storage

Room temperature between 5 °C and 40 °C

Characteristics

Property	Unit	ECOCOOL 1030 S	Test method
Appearance (10% solution)	-	opaque	visual
Color	-	< 2.0	GB/T 6540
Density (15 °C)	g/cm ³	0.966	GB/T 1884
pH (10% solution, SH tap water)	-	8.9	DIN 51369
Refractor meter index	-	1.4	FLP *)
Corrosion test (5.0%, 2 hrs, SH tap water)	grade	0	DIN 51360 - T 2

These characteristics do not constitute official specifications.

***) FLP = FUCHS Laboratory Procedure**

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