

DuraSyn Grind

Precision grinding oil

Description

DuraSyn Grind is a chlorine-free, high performance grinding oil based on synthetic base oil. It provides a consistent level of grinding performance as well as ensuring excellent wetting, lubrication and cooling. **DuraSyn Grind** is highly effective for grinding tooling made from tungsten carbide, high speed steel, ceramics, CBN and other materials as well as parts made from hardened steels, stainless steel and exotic metals with no surface cracking.

Performance Benefits

- Chlorine free
- Eliminates sticky varnishes that can load wheels and discolor ground surfaces
- Low foaming propensity
- Lowest possible mist generation
- Machine friendly; does not affect painted surfaces on machine tools
- Maintains the accuracy of grinding wheels; fewer dresses, less wheel wear, lower scrap rates.
- Low drag-out propensity; lower product usage

Recommended Applications

	Cast Iron	Low-medium alloy steel	High alloyed steel/nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Honing/Superfinishing	-	-	-	-	-	-
Grinding	X	X	X	X	-	-
Drilling	X	X	X	X	-	-
Broaching/Gear manufacturing	-	-	-	-	-	-
General machining	X	X	X	X	-	-

Characteristics

Properties	Unit	Test Method	Value
Appearance	-	Visual	Clear liquid
Density @ 15°C	Lbs/gal	-	7.01
Viscosity @ 40°C	cSt	ASTM D446	9.3
Viscosity @ 100°F	SUS	ASTM D446	57
Flash Point	°F	ASTM D92	>450°F
Copper corrosion	3 hr at 100°C	ASTM D130	1a

	Ester	Active Sulfur	Inactive Sulfur	Phosphorous	Calcium	Chlorine	Zinc
Additives	-	-	-	+	-	-	-