

PRODUCT INFORMATION



POWERSALL POWERCUT CF

DESCRIPTION: **Powercut CF Cutting Oils** are chlorine free, neat cutting fluids that contain a well balanced blend of extreme pressure (EP) additives in the form of active sulfur along with elevated amounts of lubricity that provides excellent surface finish, promote longer tool life and help to reduce labor costs.

FEATURES AND BENEFITS:

The wide viscosity range and various compounding levels formulated into **Powercut CF Cutting Oils** make them an ideal choice for a wide range of ferrous metalworking applications where high speeds, smooth finishes and long tool life is a must.

- **Powercut CF LT** is a chlorine free, non-transparent heavy duty fluid formulated to provide strong performance where moderate to severe machining is required. The high level of extreme pressure (EP) additives coupled with lubricity additives make this product ideal for threading, tapping and internal grinding where a high level of surface finish is a must.
- **Powercut CF MED** is a versatile, chlorine free general purpose cutting oil for use with carbon steels and alloy steels where light to moderately-severe machining service is required. Threading, tapping, drilling and gear shaving are some of the activities well suited for this oil.
- **Powercut CF HVY** is an outstanding dark pipe threading oil. This product is well suited for the toughest machining operations on some of the most difficult metals and alloys.

Typical Properties

Grade		Powercut CF LT	Powercut CF MED	Powercut CF HVY
Material Code	Test Method	PA335222	PA335225	PA335226
Viscosity cSt @ 40°C	ASTM D 445	25.0	38.0	68.0
Viscosity SUS @ 100°F	ASTM D 2161	120	180	315
Flash Point, COC, °F	ASTM D 92	350	350	380
Sulfur, %		5	2	5
Active Sulfur, %		3	1	3
Chlorine, wt%		Nil	Nil	Nil
Fat Oil, %		10	6	12
Phosphorus, wt%		Nil	Nil	1

Note: Powercut CF Cutting Oils contain elevated amounts of active sulfur that will stain soft metals such as brass, bronze, copper and aluminum. Its use in machining applications where these metals are present and staining is an issue should be avoided.



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