

DIVYOL STAINLESS STEEL WIRE DRAWING OILS – FN42 / FN202 / FN204

Applications:

Divyol Stainless Steel Wire Drawing Oils FN42, FN202 and FN204 are highly sulphurised, low and medium viscosity fluids recommended for steel wire drawing applications as well as cold forming and heading operations on ferrous and non-ferrous metals. The blends are also suitable for forming large fastener plugs and bolts in heading machines where high EP properties are expected. They are widely used for formation of ferrous metals and high alloy steels. This versatility is due to the blends' EP qualities. Divyol Stainless Steel Wire Drawing Oils are best used in neat form and not recommended for use on copper or cuprous metals.

Advantages:

Divyol Stainless Steel Wire Drawing Oils offer superior surface coverage (wettability) which enhances their cooling ability. Their high sulphur content helps form a high strength molecular sulphide film at the point of contact between the metal surface and the die. This film reduces friction and withstands high temperatures, thus protecting the die from wear and also providing excellent surface finish. Though they are mainly used for stainless steel wire drawing operations, they meet a wide range of requirements, thus helping reduce the number of grades in use. These oils also do not emit unpleasant fumes and hence, are approved by machine operators.

Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Stainless Steel Wire Drawing Oils		
			FN 42	FN 202	FN 204
1	Appearance	Visual	Bright and clear	Opaque (Semi-solid)	Bright and clear
2	Flash point COC, °C, min.	ASTM D 92	190	180	180
3	Pour point °C, max.	ASTM D 97	-3	-3	-3
4	Kinematic viscosity at 40 °C, cSt, min.	ASTM D 445	38	36	40
5	Saponifiable matter	P:55 of IS:1448	YES	YES	YES

The above properties are typical values and do not constitute specification of the product.

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