



TECHNICAL DATA SHEET

OBLUBE 610 – PREMIUM SLIDWAY OILS

Product Description:

OBLube 610 is a range of light-colored, machine tool slideway oils blended from highly refined base oils with excellent resistance against oxidation and moisture. These highly stable products are also blended with premium tackifying agents, demulsifiers, anti-wear and mild EP agents.

Benefits:

OBLube 610 provides:

- Stable adhesive lubricating film
- Low co-efficient of friction
- Complete separation from water miscible cutting fluids due to its excellent demulsifying properties.
- Excellent corrosion and anti-wear protection of machine tool surface and components.
- Increased dimensional accuracy and finished surfaces due to prevention of stick-slip phenomenon on machine tool slideways.

Applications:

OBLube 610 are specially designed for lubrication of vertical and horizontal slideways, tables and feed machines where high quality demulsifying lubricants are required. This product range can be used on both metal and plastic-type of slideways.

Product Recommendations:

OBLube 610 are recommended for both vertical and horizontal slideways wherein adherence and high quality demulsifying slideway lubricants are required. This product range is specially developed for use upon a wide range of materials used in machine tool surfaces of both metal and plastic materials. It is recommended to use low to medium viscosity oils for horizontal slides and high viscosity oils for vertical slides.

Performance Levels:

OBLube 610 has been formulated to meet the following specifications:

- ISO 6743-4/6
- DIN 51502 against CGLP Slideway oils.

Typical Physical Characteristics:

OBLUBE 610								
			ISO Viscosity Grade					
Properties	Unit	Test Method	32	46	68	100	150	220
Appearance		Visual Inspection	Light-Colored Clear and Bright Liquid					
Specific Gravity @ 30°C		ASTM D-1298	0.87	0.873	0.875	0.88	0.882	0.885
Viscosity @ 40°C	cSt	ASTM D 445	32	46	68.5	99	152	222
Viscosity @ 100°C	cSt	ASTM D 445	5.47	6.92	9	11.64	15.65	20.23
Viscosity Index		ASTM D 2770	105	105	105	105	105	105
Pour Point	°C	ASTM D 97	- 12	- 12	- 12	- 9	- 9	- 9
Flash Point	°C	ASTM D 92	216	225	235	245	252	261

Health and Safety:

OBLUBE Lubricants are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Use gloves which are impervious to oil and chemicals when handling used oils. Avoid skin contact. If lubricants come in contact with skin, wash immediately with soap and water.

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