

Slideway Oil (SW5)



Product Description

Podlee slideway oil is a specialized lubricant formulated for machine tool slideways and guideways, which are critical components in precision machining equipment. Unlike rotating spindles, slideways involve linear or reciprocating motion under varying loads and speeds. Effective slideway lubrication ensures smooth movement, minimizes friction-induced "stick-slip" (stuttering motion), and maintains positional accuracy in applications such as CNC machines, grinders, and milling equipment.

Application

Machine Tools: CNC lathes, milling machines, surface grinders.

Industrial Automation: Linear guides, robotic arms.

Heavy Machinery: Presses, hydraulic systems with sliding components.

Advantages

Superior oxidation stability and rust protection

Excellent film retention and adhesion capabilities

Effective anti-stick-slip and anti-skid performance

Typical Characteristics

Item	Test Data					Standard
Viscosity (mm ² /s@104 F/40 °C)	32	46	68	100	150	ASTM D445
Viscosity Index	92	93	96	96	96	ASTM D2270
Flash Point - Open Cup Method, (°F/°C)	356/180	359/182	374/190	374/190	410/210	ASTM D92
Pour Point (°F/°C)	16/-9	16/-9	16/-9	16/-9	16/-9	ASTM D97
Water (%)	None	None	None	None	None	ASTM D95
P _B (N)	565	588	686	784	882	ASTM D2783

Package

18 L/Barrel

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