

INDUSTRIAL "HC" SLIDEWAY LUBRICANTS ISO GRADES 68, 100, 220

Typical Properties

ISO Grade	68	100	*RWS 220
AGMA Number (Reference)	2	3	5
Fluid Texture/Consistency	<-----Adhesive Stringy----->		
Viscosity, cSt			
At 40 °C	67.6	101.8	225.0
At 100 °C	8.7	11.5	21.9
Flash, COC, °F(°C)	420(216)	475(246)	485(252)
Viscosity Index	100	100	118
Pour Pt, Deg °F(°C)	-5(-21)	0(-18)	5(-15)
Demulsibility at 54 °C, ASTM-1401	----	----	40-40-0(10)
Gravity, API @ 60 °F	31.0	30.0	30.0
Specific Gravity @ 15.6 °C	0.8708	0.8762	0.8762

* Note: RWS = "Rapid Water Separation"

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Industrial "HC" Slideway Lubricants are products formulated for lubricating the ways of various types of machine tools. They are blended from Hydroprocessed API Group II base stocks and have been compounded with additives to impart outstanding lubricity and extreme pressure properties. Industrial "HC" Slideway lubricants provide the high film strength and adhesion on horizontal and vertical way bearing faces to reduce wear. The product affords good water/metalworking fluid separation and offers good rust and corrosion protection. The lubricant adhesion properties prevent fluid from draining away from lubricated surfaces and minimizes fluid extraction between heavily loaded ways. Rust and corrosion protection are good.

APPLICATIONS

Industrial "HC" Slideway lubricants are manufactured for the sliding ways of machine tool systems that include planers, grinders, horizontal boring machines, shapers, and various milling machines. "HC" Slideway lubricants ISO Grades 68 and 100 are recommended for most machine tools with horizontal slideways in light to moderate applications. The ISO 220 Grade is suggested for those severe applications requiring a high viscosity lubricant and good water separation; particularly for machines with vertical slideways.