UNITED OIL
The Ultimate Value

UNITED EST CHAIN OIL

United EST Chain Oil is specially formulated with fully synthetic ester base oil that enables to provide excellent lubricating properties even at very high temperature. It provides maximum operating reliability with the optimum wear & oxidation protections.

United EST Chain Oil is essentially with very high flash point that minimizes any fire hazard. The very low volatility characteristic also enable less oil consumption and less deposit forming that leaves no harmful carbon deposit behind. Its unique formulation provides good adhesiveness even at escalated high temperature and good property to protect metal surface from corrosion and rust.

United EST Chain Oil can be used in the system with operating temperature as high as 250 °C while ensure high operating reliability and low maintenance expenses on the conveyor system.

APPLICATIONS / BENEFITS

- Excellent thermo-stability.
- Forms no carbon deposit.
- Excellent adhesiveness.
- Good protect against rust and corrosion.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
ISO Viscosity Grade		100	150	220	320	460
Specific Gravity @ 15 ºC	ASTM D 4052	0.958	0.967	0.978	0.981	0.905
Flash Point, ºC	ASTM D 92	258	260	265	267	260
Pour Point , ºC	ASTM D 97	-36	-33	-33	-30	-27
Kinematic Viscosity @40ºC (cSt)	ASTM D 445	105	150	220	322	465
@100ºC (cSt)	ASTM D 445	10.9	15.1	20.9	28.5	37.2
Viscosity Index	ASTM D 2270	85	100	112	120	122
Color	ASTM D 1500	<1.0	<1.0	<1.0	1.0	<1.5

Technical Data Sheet

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