



## KOMPEN 15, 32, 46, 68, 100

**KOMPEN Series** are formulated from high quality mineral base oil which has very good low temperature characteristics.

*KOMPEN Series* diformulasikan dari mineral base oil yang bermutu tinggi yang memiliki karakteristik suhu rendah yang baik.

TYPICAL CHARACTERISTICS				
Characteristics	Test Method	KOMPEN 15	KOMPEN 32	KOMPEN 46
ISO Viscosity Grade		15	32	46
Density at 15 °C, kg/l	ASTM D - 4052	0.8363	0.8384	0.8529
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	15.20	32.68	47.23
	ASTM D - 445	3.4	6.3	7.9
Kinematic Viscosity at 100 °C, cSt	ASTM D - 2270	103	145	136
	ASTM D - 2270	103	145	136
Viscosity Index	ASTM D - 1500	L 0.5	L 0.5	L 1.0
ASTM Colour	ASTM D - 92	206	234	246
Flash Point, °C	ASTM D - 5950	-39	-33	-27
Pour Point, °C				

TYPICAL CHARACTERISTICS			
Characteristics	Test Method	KOMPEN 68	KOMPEN 100
ISO Viscosity Grade		68	100
Density at 15 °C, kg/l	ASTM D - 4052	0.8693	0.888
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	68.43	99.75
	ASTM D - 445	9.20	10.50
Kinematic Viscosity at 100 °C, cSt	ASTM D - 2270	110	84
	ASTM D - 2270	110	84
Viscosity Index	ASTM D - 1500	L 1.5	L 1.5
ASTM Colour	ASTM D - 92	266	238
Flash Point, °C	ASTM D - 5950	-27	-27
Pour Point, °C			

### APPLICATIONS

**KOMPEN Series** are designed primarily for the lubrication of refrigerator compressors, mainly the open and semi sealed type operating at moderate evaporator temperatures and thermal loads. Also suitable for other low temperature applications where mineral oil is recommended.

**KOMPEN Series** are recommended to be used in compressor with ammonia, CO<sub>2</sub>, methylene chloride or CFC as the refrigerant, but these oils are not suitable to be used in a system with Hydro Fluoro Carbon (HFC) refrigerant, such as R134a.

### PENGGUNAAN

*KOMPEN Series* terutama disarankan untuk digunakan pada kompresor pendingin yang dipakai pada lemari pendingin, khususnya jenis terbuka dan semi tertutup yang bekerja pada suhu evaporator dan thermal loads sedang. Juga cocok untuk dipergunakan pada suhu rendah lainnya dimana dianjurkan pemakaian mineral oil

*KOMPEN Series* direkomendasikan untuk kompresor dengan pendingin ammonia, CO<sub>2</sub>, methylene chloride dan CFC, namun tidak dianjurkan untuk digunakan pada sistem dengan pendingin Hydro Fluoro Carbon (HFC) seperti R134a.