

### Product Specification

NO	SPECIFICATION	METHOD	Minarex I	
			MIN	MAX
1	Specific Gravity at 60 / 60 °F	ASTM D - 1298	1,021	1,0305
2	Aniline Point °C	ASTM D - 611	31	37
3	Colour ASTM, 1 % dilution	ASTM D - 1500	-	2
4	Flash Point C.O.C °F	ASTM D - 92	460	-
5	Pour Point °F	ASTM D - 97	-	85
6	Refractive Index at 20°C	ASTM D - 1218	1,585	1,593
7	Viscosity Gravity Constant	ASTM D - 2501	0,983	0,9935
8	Viscosity, kinematic at 210°F cSt	ASTM D - 445	15,5	17,8
9	Viscosity saybolt 210 o F SUS	ASTM D - 2161	80	89

NO	SPECIFICATION	METHOD	Minarex H	
			MIN	MAX
1	Specific Gravity at 60 / 60 °F	ASTM D - 1298	1,03	1,2
2	Aniline Point °C	ASTM D - 611	22	53
3	Colour ASTM, 1 % dilution	ASTM D - 1500	-	2
4	Flash Point C.O.C °F	ASTM D - 92	425	-
5	Pour Point °F	ASTM D - 97	-	85
6	Refractive Index at 20°C	ASTM D - 1218	1,592	1,6195
7	Viscosity Gravity Constant	ASTM D - 2501	0,991	1,1405
8	Viscosity, kinematic at 210°F cSt	ASTM D - 445	20	36,8
9	Viscosity saybolt 210 o F SUS	ASTM D - 2161	98	174

NO	SPECIFICATION	METHOD	Minarex A	
			MIN	MAX
1	Specific Gravity at 60 / 60 °F	ASTM D - 1298	0,98	1,02
2	Aniline Point °C	ASTM D - 611	16	21
3	Colour ASTM, 1 % dilution	ASTM D - 1500	-	1
4	Flash Point C.O.C °F	ASTM D - 92	380	-

5	Pour Point	°F	ASTM D - 97	-	60
6	Refractive Index at 20°C		ASTM D - 1218	1,5625	1,576
7	Viscosity Gravity Constant		ASTM D - 2501	0,954	0,982
8	Viscosity, kinematic at 210°F	cSt	ASTM D - 445	6	9
9	Viscosity saybolt 210 o F	SUS	ASTM D - 2161	46	56

The specification above is valid when printed, for actual specification please contact Pertamina