

Thermal Properties

March 2024

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Thermal Properties of MIDEL eN 1215

The following information details of all the key thermal parameters for MIDEL eN 1215 at the temperature ranges relevant to the majority of transformers.

They have either been measured over the whole temperature range by external laboratories or calculated (interpolated or extrapolated) from the data.

Table 1 - Thermal Properties of MIDEL eN 1215

Temperature °C	Kinematic Viscosity mm ² /s	Density kg/m ³	Expansion Coefficient	Thermal Conductivity W/m K	Specific Heat Capacity J / kg °C
-10	337	943	0.00073	0.167	1920
0	206	936	0.00073	0.167	1934
10	97	929	0.00074	0.167	1946
20	67	922	0.00074	0.166	1970
30	46	916	0.00074	0.166	1986
40	32	909	0.00074	0.165	2011
50	24	902	0.00075	0.164	2038
60	18.6	895	0.00075	0.164	2066
70	14.4	889	0.00075	0.163	2096
80	11.5	882	0.00075	0.162	2122
90	9.3	875	0.00075	0.161	2155
100	7.6	868	0.00076	0.160	2186

Data quoted above are typical values, may be altered without notice and do not constitute a specification