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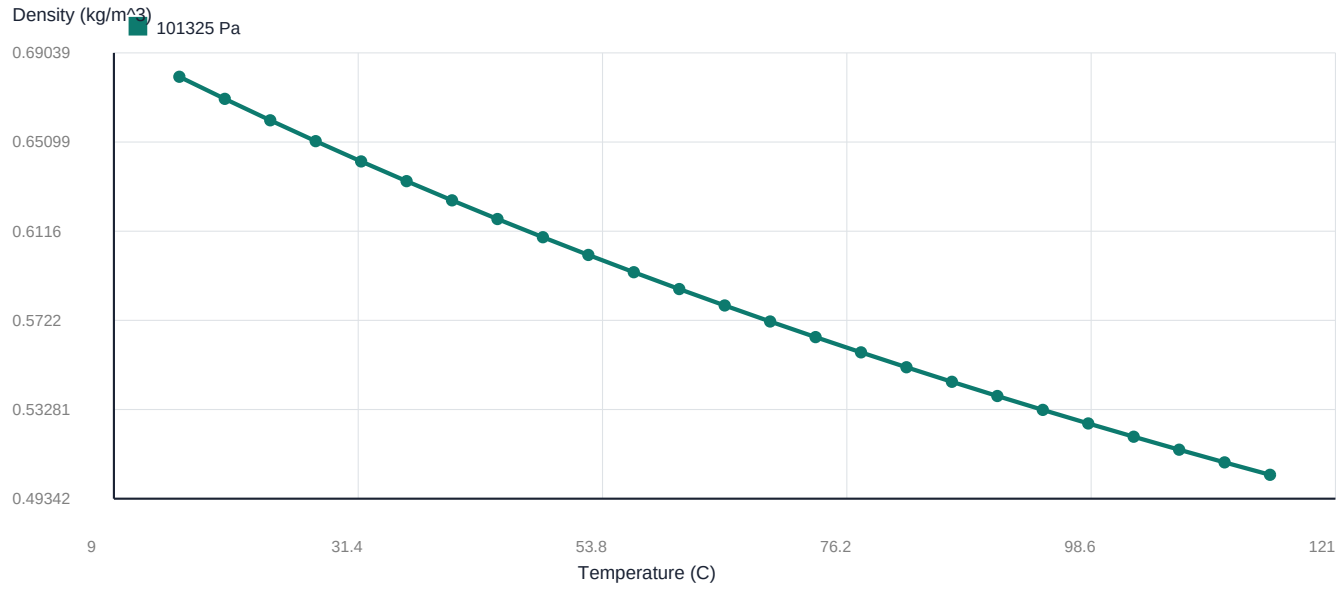
Methane - Density range report

Calculated with Common SI output units.

Source and Validity

Field	Value
Material / fluid	Methane (CH4)
Range mode	Temperature
Property	Density [kg/m^3]
Output units	Common SI
Valid rows	25
Generated	2026-11-15 23:02
Source family	CoolProp
Confidence	Reference-grade
License	Open
Citation	CoolProp open-source property backend; fluid model: Methane.
Valid temperature	90.69 ... 625 K (Backend-defined range when available.)
Valid pressure	Backend equation-of-state domain; pressure limits are fluid/model dependent.
Valid phase / condition	Backend-calculated fluid state.
Uncertainty	Reference-grade for supported state points; backend errors or warnings indicate reduced confidence.
Last reviewed	2026-06-28
Reviewer	app.py metadata defaults

Chart



Calculated Table

Temperature	Pressure	Density [kg/m^3]	Phase	Saturation Pressure
15.00 C	101325 Pa	0.6798 kg/m^3	supercritical_gas	101325 Pa
19.17 C	101325 Pa	0.6701 kg/m^3	supercritical_gas	101325 Pa
23.33 C	101325 Pa	0.6606 kg/m^3	supercritical_gas	101325 Pa
27.50 C	101325 Pa	0.6514 kg/m^3	supercritical_gas	101325 Pa
31.67 C	101325 Pa	0.6424 kg/m^3	supercritical_gas	101325 Pa
35.83 C	101325 Pa	0.6337 kg/m^3	supercritical_gas	101325 Pa
40.00 C	101325 Pa	0.6252 kg/m^3	supercritical_gas	101325 Pa
44.17 C	101325 Pa	0.6170 kg/m^3	supercritical_gas	101325 Pa
48.33 C	101325 Pa	0.6089 kg/m^3	supercritical_gas	101325 Pa
52.50 C	101325 Pa	0.6011 kg/m^3	supercritical_gas	101325 Pa
56.67 C	101325 Pa	0.5935 kg/m^3	supercritical_gas	101325 Pa
60.83 C	101325 Pa	0.5860 kg/m^3	supercritical_gas	101325 Pa
65.00 C	101325 Pa	0.5788 kg/m^3	supercritical_gas	101325 Pa
69.17 C	101325 Pa	0.5717 kg/m^3	supercritical_gas	101325 Pa
73.33 C	101325 Pa	0.5648 kg/m^3	supercritical_gas	101325 Pa
77.50 C	101325 Pa	0.5581 kg/m^3	supercritical_gas	101325 Pa
81.67 C	101325 Pa	0.5515 kg/m^3	supercritical_gas	101325 Pa
85.83 C	101325 Pa	0.5451 kg/m^3	supercritical_gas	101325 Pa
90.00 C	101325 Pa	0.5388 kg/m^3	supercritical_gas	101325 Pa
94.17 C	101325 Pa	0.5326 kg/m^3	supercritical_gas	101325 Pa
98.33 C	101325 Pa	0.5267 kg/m^3	supercritical_gas	101325 Pa
102.50 C	101325 Pa	0.5208 kg/m^3	supercritical_gas	101325 Pa
106.67 C	101325 Pa	0.5151 kg/m^3	supercritical_gas	101325 Pa
110.83 C	101325 Pa	0.5095 kg/m^3	supercritical_gas	101325 Pa

Temperature	Pressure	Density [kg/m^3]	Phase	Saturation
115.00 C	101325 Pa	0.5040 kg/m^3	supercritical_gas	101325 Pa