

Physical properties of ammonia

	Energy content (LHV) [MJ/Kg]	Energy content (LHV) [MJ/L]	Density [kg/m ³]	Octane [RON]	Flame-velocity [m/s]	Flammability-limits [vol/%]	Minimum Ignition Energy [mJ]
Cooled Ammonia (Liquefied)	18.6	12.69 (1 atm, -33°C)	682	>130	0.067	15-28	680
Compressed Ammonia (Liquefied)	18.6	11.65 (300 bar ,25°C)	626.	>130	0.067	15-28	680

https://www.iea-amf.org/content/fuel_information/ammonia