

{fuel properties}

BIODIESEL



Fuel Properties

Biodiesel

Fuel Standard	ASTM 6751-02
Fuel composition	C12-C22 FAME
Lower Heating Value, Btu/gal	117,093
Kinetic Viscosity, @40 deg C.	1.9-6.0
Specific Gravity kg/1 @ 60 deg F.	0.88
Density, lb/gal @15 deg C.	7.0328
Water ppm by wt.	.05% max
Carbon, wt %	77
Hydrgen, wt%	12
Oxygen, by dif wt. %	11
Sulfur, wt %	0.0-0.0024
Boiling point, deg C.	182-338
Flash Point, deg C.	100-170
Cloud Point deg C.	-3 to 12
Pour Point deg C.	-15 to 10
Cetane Number	48- 65
Stoichiometric Air/Fuel Ratio	13.8
BOCLE scuff, Grams wt	>7,000
HFRR, Microns	314

