

# Diesel Fuel

GOST 305-82

Parameter	Value for Grades	
	Summer Grade	Winter Grade
Cetane Number, min.	45	
Composition:	50% distilled @ T, °C, max.	
	96% distilled @ T, °C, max	
	360	340
Kinematic Viscosity @ 20°C, mm <sup>2</sup> /c (cSt)	3.0-6.0	1.8-5.0
Pour Point, °C, max., for climatic zone:	temperate	minus 10
		minus 35
Cloud Point, °C, max., for climatic zone:	temperate	minus 5
		minus 25
Flash Point in Closed Cup, °C, not lower than:		
	for general purpose diesel	40
		35
	for heating and marine diesel	62
		40
Sulfur, wt. %, max., in fuels:	Type I	0.20
Sour Sulfur, wt. %, max.		0.01
Hydrogen Sulfide		Absence
Copper Plate Testing		Passed Testing
Water Soluble Acids and Alkalines		Absence
Actual Gums Concentration, mg per 100 cm <sup>3</sup> of fuel, max.	40	30
Acidity, mg KOH per 100 cm <sup>3</sup> , max.		5.0
Iodine Value, g of Iodine per 100 g of fuel, max.		6
Ash, %, max.		0.01
Cokeability of 10% residue, %, max.	0.20	0.30
Filterability Index, max.		3
Impurities		Absence
Water		Absence
Density kg/m <sup>3</sup> , max. @ 20°C	860	840