

DIESEL (Euro 2M)

PROPERTIES	GUARANTEED LEVEL		TEST METHOD
	MINIMUM	MAXIMUM	
Colour (ASTM)	-	2.5	MS 2010 / ASTM D1500 / D6045
Ash, mass %	-	0.01	MS 2013 / ASTM D482
Cloud point, °C	-	19.0	ASTM D2500 / D5772
Flash point, °C	60	-	MS 686 / ASTM D93
Kinematic viscosity at 40°C, mm ² / s	1.5	5.8	MS 1831 / ASTM D445
Copper corrosion (3 h at 100°C)	-	1	MS 787 / ASTM D130
Water by distillation, vol %	-	0.05	MS 1800 / ASTM D6304 / D95
Sediment by extraction, wt%	-	0.01	MS 790 / ASTM D473
Carbon residue on 10% bottoms, wt%	-	0.20	MS 962 / ASTM D189 / D4530
Density at 15°C, kg/L	0.810	0.870	MS 1893 / ASTM D1298 / D4052
Acid number, mgKOH/g	-	0.25	MS 2011 /ASTM D664 / D974 / D2624
Electrical conductivity, pS/m	50	-	MS 1889 / ASTM D2624
Cetane index or Cetane number	49 49	- -	MS 1890 / ASTM D976 / D4737 MS 1895 / D613 / D6890 / IP498
Physical distillation at 95% recovered volume, °C or Simulated distillation at 95% recovered mass, °C	- -	370 399	MS 563 ASTM D2887 / D86
Total sulphur, mg/kg	-	500	MS 1891 / ASTM D4294 / D2622 / D5453 / D7039 / D5950
Lubricity, µm	-	460	MS 1892 / ASTM D6079
APPLICATION	PRECAUTION		SPECIFICATION
For Self-Ignition compression diesel engine. PETRONAS Diesel is a high cetane index fuel designed for use in low and high speed self-ignition compression engines to provide efficient, dependable and smooth operation. It has the proper viscosity suitable for critical fuel injection systems to provide maximum protection against wear and leakage. Also suitable for industrial purpose especially for direct burning ie. boiler, furnace, dryer, etc.	<ul style="list-style-type: none"> • May release Hydrogen Sulfide (H₂S) gas which may be fatal if • Combustible Hydrogen Sulfide (H₂S) gas may cause irritation • Prolonged or repeated skin • If swallowed, DO NOT induces vomiting. May cause chemical pneumonitis. 		<p>This diesel meets the following specification:</p> <ul style="list-style-type: none"> • SIRIM MS 123:2005 (AMD. 1) 3rd Revision <p>Diesel fuel may contain up to 5% (v/v) of Palm Methyl Ester (PME) complying with SIRIM MS 2008 and EN 14214</p>