

HIGH SPEED DIESEL

PROPERTIES	GUARANTEED LEVEL		TEST METHOD
	MINIMUM	MAXIMUM	
• Colour (ASTM)	-	2.5	D 1500 / D 6045
• Ash, mass %	-	0.01	D 482
• Cetane Index	47	-	D 976 / D 4737
• Total Sulphur, mass %	-	0.30	D 4294 / D 2622
• Pour Point, °C	-	15	D 97 / D 5950
• Flash Point, °C	60	-	D 93
• Kinematic Viscosity @ 40°C, cSt	1.6	5.8	D 445
• Copper Corrosion (3h, @ 100°C)	-	1	D 130
• Water by Distillation, vol %	-	0.05	D 95
• Sediment by Extraction, mass %	-	0.01	D 473
• Conradson Carbon (10% residue, %(m/m) or Micro Carbon (10% residue), %(m/m)	- -	0.10 0.10	D 189 D 4530
• Distillation 90% Vol Recovery, °C	-	370	D 86 / D 2887
• Density @ 15°C, kg/l	To be reported		D 1298 / D 4052
• Electrical Conductivity , pSm	50	450	D 2624
• Acid Number, mg KOH/g	-	0.25	D 974 / D 664
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 inhaled. • Combustible Hydrogen Sulfide (H₂S) gas may cause irritation to eyes. • Prolonged or repeated skin contact may be harmful. • If swallowed, DO NOT induce vomiting. May cause chemical pneumonitis. 	This diesel meets the following specification : <ul style="list-style-type: none"> • SIRIM MS 123 (1993) • BS 2869 (1988) • ASTM D 975 (1991) 	