

P1 RACING FUELS



ECO100 RS (P-RG-048-01)

TECHNICAL CHARACTERISTICS

SPECIFICATION

PARAMETER	UNIT	TYPICAL DATA	MIN	MAX	TEST METHOD
RON	-	100.5-101.1	95.0 ⁽¹⁾	102.0 ⁽¹⁾	ISO 5164
MON	-	88.3-88.9	85.0 ⁽¹⁾	90.0 ⁽¹⁾	ISO 5163
DENSITY (AT 15 °C)	kg/m ³	759-762	720	785	ISO 12185
OXYGEN	% m/m	7.2-7.4	-	7.5	EN ISO 22854
NITROGEN	mg/kg	10-30	-	2000 ⁽²⁾	ASTM D4629
SULFUR	mg/kg	<3.0	-	10.0	EN ISO 20846
LEAD	mg/l	<1	-	5.0	EN 237
MANGANESE	mg/l	<1.0	-	2.0	ASTM D3831
BENZENE	% V/V	<0.5	-	1.0	ISO 22854
AROMATICS	% V/V	23.0-28.0	report		ISO 22854
TOTAL STYREN AND ALKYL DERIVATIVES	% m/m	<1.0	-	1.0	GC-MS
OLEFINS	% V/V	1.0-4.0	report		ISO 22854
TOTAL DI-OLEFINS	% m/m	<1.0	-	1.0	GC-MS
OXIDATION STABILITY	minutes	>360	360	-	ISO 7536
DVPE	kPa	60-64	50 ⁽³⁾	80	EN 13016-1
NET HEATING VALUE	MJ/kg	39.35-39.60	-	-	ASTM D3338
A/F RATIO	kg Air/kg Fuel	13.41-13.45	-	-	calculation

DISTILLATION CHARACTERISTICS

AT E70 °C	% V/V	44.0-48.0	20.0	52.0	
AT E100 °C	% V/V	63.0-67.0	46.0	72.0	
AT E150 °C	% V/V	78.0-82.0	75.0	-	ISO 3405
FINAL BOILING POINT	°C	<210	-	210	
RESIDUE	% V/V	<2.0	-	2.0	

(1) A correction factor of 0.2 for MON and RON shall be subtracted for the calculation of the final result in accordance with EN 228: 2012

(2) Octane boosting nitro compounds are not permitted

(3) The minimum DVPE must remain above 50kPa to cope with winter competitions

Date of compilation/revision: 2021-12-04

To achieve optimum performance and utilize the unique features of this product it is recommended to optimize the Air/Fuel ratio and ignition advance. It is not recommended to mix this fuel with any other additives or other fuel blends. The fuel must be stored according to local legislation and in a dark cool place to maintain its properties.

PLEASE READ THE SAFETY DATA SHEET (MSDS) FOR HEALTH AND SAFETY INSTRUCTIONS BEFORE USING.

Copyright © 2014 P1 Racing Fuels Limited. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical including by photocopy, recording or information storage and retrieval system, without permission in writing from P1 Racing Fuels Limited or any member company of the group.

CONTACT P1 RACING FUELS FOR MORE INFORMATION

+353 91 734 008

info@p1racingfuels.com

ORDER ONLINE AT:
p1fuels.com