



## PROBEOL LR MPG -25°C

A new-generation, biodegradable coolant for vehicle cooling circuits.

### PERFORMANCE DATA

**Standards:**

AFNOR (NFR 15-601 Type 2)

### ADVANTAGES

**PROBEOL LR MPG -25°C** is monopropylene glycol-based, and free from amines, nitrites, borax and phosphates.

It protects your cooling circuit against deposit formation, thanks to anti-scaling and anti-corrosion additives.

Its formulation also protects your engine from freezing, down to -25°C, and ensures it can start in any weather, thereby providing better efficiency.

**PROBEOL LR MPG -25°C** is miscible and compatible with products approved by European manufacturers, as well as type D.

### PRACTICAL ADVICE:

In order to protect the essential components in the cooling circuit (water pump and radiator) and retain the anti-corrosion and anti-foaming qualities of the coolants, IGOL recommends you drain your circuit every 2 years.

Characteristics	Methods	Units	Specifications	Results
Freezing point	NF T 78-102	°C	≤ -25	-25
Alkaline reserve Adjusted to concentrated product	NF T 78-101	ml	≥ 10	10.4
pH	NF T 78-103	pH unit	7.5 to 8.5	8.07
Density	NF T 60-172	kg/ dm <sup>3</sup>	1.035 to 1.045	1.042
Ash content	NF R 15-602-3	%	≤ 1.0	0.8
Boiling point	NF R 15-602-4	°C	≥ 102	103
Flash point	NF M 07-019	°C	≥ 100	>100
Foaming tendency	CEC C10X99			
Foam volume	-	ml	≤ 80	70





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Foam disappearance	-	s	≤ 10	8
Glass corrosion	NF R 15-602-7	mg/ specimen*		
Copper	-	-	± 5	-0.9
Weld	-	-	± 5	-1.1
Brass	-	-	± 5	-0.9
Steel	-	-	± 2.5	-0.2
Cast iron	-	-	± 4	-0.5
Aluminium	-	-	-10 to +20	-2.9
Hot plate corrosion	NF R 15-602-8	mg / cm <sup>2</sup> / week	-1 to +1	0.75
Polarisation resistance	NF R 15-602-9	Ω.cm <sup>2</sup>	≥ 10 <sup>6</sup>	>10 <sup>6</sup>

\*MASS VARIATION AFTER CHEMICAL TREATMENT

*The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.*

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