

Rijeka, 2003-07-22

Interpretation 2003-IOM-2

INTERPRETATION ON THE INTERNATIONAL ONE METRE CLASS RULES

Interpretation requested by various designers and manufacturers, as follows:

Do the aluminium grades listed in Class Rules F.3.1(a) and F.4.1(a) includes all sub grades denoted by a suffix letter and all temper variants?

Relevant rules

International One Metre Class Rules F.3.1(a) and F.4.1(a).

Discussion

There is no complete and internationally accepted set of alloy standards at the moment and manufacturers around the world may use local or variants of international standards. Therefore it is possible that aluminium alloys grades such as 6005A, 6005B, 6063A, 6082A are being used for the IOM spars.

The interesting aspect from a design and racing perspective is that the choice of alloy does not affect the "stiffness" of the spar. There is an insignificant difference in the modulus of elasticity between alloy grades within a particular series. Further, there is no appreciable difference in the modulus of elasticity across all alloys permitted by the class rule.

The composition of the particular alloy is not so important and the process of temper is also does not affect the modulus of elasticity.

Decision

All aluminium grades listed in Class Rules F.3.1(a) and F.4.1(a) should be taken to include all sub grades denoted by a suffix letter and all temper variants.

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