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What is Casting? Sand Casting. Die Casting. Centrifugal ...

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Fig. 6.18 Normalized CR (N3h) and the evolution of the solid and primary austenite fractions (Alonso et al. 2012). With permission from the American Foundry Soc - "Science and Engineering of Casting Solidification"

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Design of Gating System: The design of a gating system depends on both the metal and mould compositions. For example- an elaborate gating design is needed to avoid dross (e.g., oxides) in easily oxidized metals of low melting point such as aluminium.

Design of Gating System | Casting | Manufacturing Science

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The Science and Engineering of Cutting | ScienceDirect

Common casting materials are aluminum, bronze, and brass. For investment casting, the first step is to create an alginate or silicone rubber impression of the object, so multiple wax replicas can be created. These wax objects are attached to a "tree" of wax, creating a structure that can be encased in plaster to make the final metal mold.

Casting | Modern Blacksmithing and Physical Metallurgy ...

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