

Guideline

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CLAP

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Subject: Material - Properties of welded joints

Question:

The Essential Safety Requirements define in Annex I chapter 3.1.2 that the properties of welded joints shall meet the minimum properties specified for the materials to be joined unless other relevant property values are specifically taken into account by the design process.

Do these requirements apply also for impact property values?

Answer:

Yes, in general also the impact property values shall meet the specified minimum properties of the materials joined.

Lower values are acceptable if specified by the product standard or justified by the design. Annex I, 4.1(a) refers to 7.5 regarding specific requirements of materials. To reach sufficient ductility for steel the impact value shall be at least 27 J at lowest operating temperature.