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Impact wear and mechanical behavior of steels at subzero temperatures

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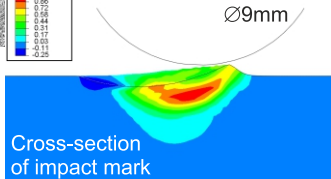
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In martensitic steels, decreasing temperatures promote the formation of adiabatic shear bands.

Shear strain distribution in the steel target after an impact at 110 m/s at -60°C , revealing high subsurface stresses.



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