

The following are selected resources for superalloy static performance reviewed by an advisory group of TMS subject matter experts



PAPER TITLE	AUTHOR(S)	SOURCE	LINK
A Study of the Bending Deformation Behavior of Ni-Based DS and SC Superalloys	H. Tamaki, K. Fujita, A. Okayama, N. Matsuda, A. Yoshinari, and K. Kakehi	Superalloys 2004, p. 145	<a href="#">Acquire this paper</a>
ETA Phase Formation During Thermal Exposure and Its Effect on Mechanical Properties in Nickel-Base Superalloy GTD 111	B. G. Choi, I. S. Kim, D. H. Kim, S. M. Seo, and C. Y. Jo	Superalloys 2004, p. 163	<a href="#">Acquire this paper</a>
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Influence of Long Term Exposures in Air on Microstructure, Surface Stability and Mechanical Properties of UDIMET 720LI	D. Helm and O. Roder	Superalloys 2000, p. 487	<a href="#">Read the Full Paper</a>
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Effects of Long Range Ordering, Temperature and Strain Rate on Deformation Behaviou of a Ni-Mo-Cr Alloy	S. Dymek, M. Dollar, A. Iyer and D. L. Klarstrom	Superalloys 1992, p. 685	<a href="#">Read the Full Paper</a>
Time-Temperature-Transformation Diagram of Alloy 725	S. Manna and F. Veltry	Superalloys 718, 625, 706, and Derivatives (2001), p. 345	<a href="#">Read the Full Paper</a>
Microstructure and Properties of Direct-Aged Alloy 625	M. G. Burke, W. J. Mills, and R. Bajaj	Superalloys 718, 625, 706, and Derivatives (2001), p. 389	<a href="#">Read the Full Paper</a>
Effect of Thermomechanical Processing on the Properties of inconel 706 Alloy	A. I. Kahveci, A. K. Chakrabarti, K. P. Kinnear, G. W. Kuhlman and R. A. Beaumont	Superalloys 718, 625, 706, and Derivatives (1997), p. 219	<a href="#">Read the Full Paper</a>
Room Temperature Formability of Alloys 625LCF, 718 and 718SPF	P. Roamer, C. J. Van Tyne, D. K. Matlock, A. M. Meier, H. Ruble and F. Suarez	Superalloys 718, 625, 706, and Derivatives (1997), p. 315	<a href="#">Read the Full Paper</a>