

DAFTAR PUSTAKA

- Abedi, H. R., Hanzaki, A. Z., Azami, M., Kahnooji, M., & Rahmatabadi, D. (2019). The High Temperature Flow Behavior Of Additively Manufactured Inconel 625 Superalloy. *Materials Research Express*, <https://doi.org/10.1088/2053-1591/Ab44f6>
- Bahauddin, M. (2025). Physical And Chemical Properties Of Inconel 625 Materials. *International Journal Of Innovative Science And Research Technology*, 10(4), 4194–4209. <https://doi.org/10.38124/Ijisrt/25apr722>
- Barella, S., Gruttadauria, A., Mapelli, C., Mombelli, D., Taiana, P., Bosatra, M., & Morini, A. (2017). Solidification Microstructure Of Centrifugally Cast Inconel 625. *China Foundry*, 304–312. <https://doi.org/10.1007/S41230-017-7017-Y>
- Chen, X., Su, C., Wang, Y., Siddiquee, A. N., Konovalov, S., Jayalakshmi, S., & Singh, R. A. (2018). Cold Metal Transfer (CMT) Based Wire And Arc Additive Manufacture (WAAM) System. *Journal Of Surface Investigation*, 12(6), 1278–1284. <https://doi.org/10.1134/S102745101901004X>
- Debroy, T., Wei, H. L., Zuback, J. S., Mukherjee, T., Elmer, J. W., Milewski, J. O., Beese, A. M., Wilson-Heid, A., De, A., & Zhang, W. (2018). Additive Manufacturing Of Metallic Components – Process, Structure And Properties. *Progress In Materials Science*, 112–224. <https://doi.org/10.1016/J.Pmatsci.2017.10.001>
- Elango, P. (2015). Welding Parameters For Inconel 625 Overlay On Carbon Steel Using GMAW. *Indian Journal Of Science And Technology*, 8(1), 1–5. <https://doi.org/10.17485/Ijst/2015/V8i31/84309>
- Goldak, J., Chakravarti, A., & Bibby, M. (1984). A New Finite Element Model For Welding Heat Sources. 15(June), 299–305.
- Han, Y. S. (2023). Wire Arc Additive Manufacturing : A Study Of Process Parameters Using Multiphysics Simulations.
- Maj, P., Koralnik, M., Adamczyk-Cieslak, B., Romelczyk-Baishya, B., Kut, S., Pieja, T., Mrugala, T., & Mizera, J. (2019). Mechanical Properties And

- Microstructure Of Inconel 625 Cylinders Used In Aerospace Industry Subjected To Flow Forming With Laser And Standard Heat Treatment. *International Journal Of Material Forming*, 12(1), 135–144. <https://doi.org/10.1007/S12289-018-1413-8>
- Mishra, R., Imam, M., Chinthapenta, V., & Mastanaiah, P. (2023). Thermo-Mechanical Modelling Of The Wire Arc Based Additively Manufactured Inconel 625 Superalloy. *Materials Today: Proceedings*, 108(August), 53–64. <https://doi.org/10.1016/J.Matpr.2023.08.142>
- Phiri, R. R., Oladijo, O. P., Maledi, N., & Akinlabi, E. T. (2018). Effect Of Coating Thickness On Wear Performance Of Inconel 625 Coating. *IOP Conference Series: Materials Science And Engineering*, 423(1), 12159.
- Rivolta, B., Gerosa, R., & Panzeri, D. (2024). Optimization Of The Mechanical And Corrosion Resistance Of Alloy 625 Through Aging Treatments. *Metals*, 14(7). <https://doi.org/10.3390/Met14070823>
- Rodrigues, T. A., Duarte, V., Miranda, R. M., Santos, T. G., & Oliveira, J. P. (2019). Current Status And Perspectives On Wire And Arc Additive Manufacturing (WAAM). *Materials*, 12(7). <https://doi.org/10.3390/Ma12071121>
- Béraud, N., Ledoux, Y., Mechekour, E. H., Vignat, F., & Pourroy, F. (2024). Fast thermal simulation of WAAM processing: toward manufacturing strategy evaluation. *CIRP Journal of Manufacturing Science and Technology*, 55(April), 234–246. <https://doi.org/10.1016/j.cirpj.2024.10.007>
- Chaturvedi, M., Scutelnicu, E., Rusu, C. C., Mistodie, L. R., Mihailescu, D., & Subbiah, A. V. (2021). *Wire Arc Additive Manufacturing : Review on Recent Findings and Challenges in Industrial Applications and Materials Characterization*.
- DebRoy, T., Wei, H. L., Zuback, J. S., Mukherjee, T., Elmer, J. W., Milewski, J. O., Beese, A. M., Wilson-Heid, A., De, A., & Zhang, W. (2018). Additive manufacturing of metallic components – Process, structure and properties. *Progress in Materials Science*, 92, 112–224. <https://doi.org/10.1016/j.pmatsci.2017.10.001>
- Goldak, J., Chakravarti, A., & Bibby, M. (1984). *A New Finite Element Model for*

- Welding Heat Sources*. 15(June), 299–305.
- Han, Y. S. (2023). *Wire Arc Additive Manufacturing: A Study of Process Parameters Using Multiphysics Simulations*.
- Rodrigues, T. A., Duarte, V., Miranda, R. M., Santos, T. G., & Oliveira, J. P. (2019). Current status and perspectives on wire and arc additive manufacturing (WAAM). *Materials*, 12(7). <https://doi.org/10.3390/ma12071121>
- Shah, A., Aliyev, R., & Zeidler, H. (2023). *A Review of the Recent Developments and Challenges in Wire Arc Additive Manufacturing (WAAM) Process*.
- Treutler, K., & Wesling, V. (2021). The current state of research of wire arc additive manufacturing (Waam): A review. *Applied Sciences (Switzerland)*, 11(18). <https://doi.org/10.3390/app11188619>
- Shukla, A. (2019). Determination Of Elastic Constants Of Inconel-625 Superalloy, Using Laser-Based Ultrasonic. *Journal Of Theoretical And Applied Physics*, 13(1), 49–54. <https://doi.org/10.1007/S40094-018-0311-2>
- Sravan Sashank, S., Rajakumar, S., Karthikeyan, R., & Nagaraju, D. S. (2020). Weldability, Mechanical Properties and Microstructure of Nickel Based Super Alloys: A Review. *E3S Web of Conferences*, 184, 1–6. <https://doi.org/10.1051/e3sconf/202018401040>
- Tanvir, A. N. M., Ahsan, R. U., Ji, C., Hawkins, W., Bates, B., & Kim, D. B. (2019). Heat Treatment Effects On Inconel 625 Components Fabricated By Wire + Arc Additive Manufacturing (WAAM) — Part 1 : Microstructural Characterization. 2.
- Weldability, Mechanical Properties and Microstructure of Nickel Based Super Alloys: A Review. *E3S Web of Conferences*, **184**, 1–6. <https://doi.org/10.1051/e3sconf/202018401040>
- Zielińska, M., Yavorska, M., Poreba, M., & Sieniawski, J. (2010). Thermal Properties Of Cast Nickel Based Superalloys. *Archives Of Materials Science And Engineering*, 44(1), 35–38.