

REFERENCES

- Abbasi, F., Mirzadeh, H., & Katbab, A. (2001). Modification of polysiloxane polymers for biomedical applications: a review. *Polymer International*, *50*(12), 1279–1287. <https://doi.org/10.1002/pi.783>
- Abu, R., Yahya, R., & Neon, S. (2016). Production of High Purity Amorphous Silica from Rice Husk. *Procedia Chemistry*, *19*, 189–195. <https://doi.org/10.1016/j.proche.2016.03.092>
- Arjmandi, R., Hassan, A., Majeed, K., & Zakaria, Z. (2015). Rice Husk Filled Polymer Composites, *2015*.
- Azmi, M. A., Yahya, S. M., Ahmad, S., & Taib, H. (2014). Tensile Behaviour and Fracture Characteristics of Polydimethylsiloxane (PDMS) filled Silica Composites, *2014(Icxi120 14)*, 3–4.
- Aznil, M. A., Ismail, S. H., Mahzan, S., Ahmad, S., & Taib, H. (n.d.). Mechanical Properties of Polydimethylsiloxanes (PDMS) Reinforced Silica Derived Rice Husk Ash M. Azham Aznil,.
- Cai, D., Neyer, A., Kuckuk, R., & Heise, H. M. (2010). Raman , mid-infrared , near-infrared and ultraviolet – visible spectroscopy of PDMS silicone rubber for characterization of polymer optical waveguide materials. *Journal of Molecular Structure*, *976*(1–3), 274–281. <https://doi.org/10.1016/j.molstruc.2010.03.054>
- Ching, K. L. (2014). rice husk silica ratio to the properties of the fabricated sheet, (June).
- Cornelius, D. J., & Monroe, C. M. (1985). The unique properties of silicone and fluorosilicone elastomers. *Polymer Engineering & Science*, *25*(8), 467–473. <https://doi.org/10.1002/pen.760250807>
- Duo, S., Li, M., Zhu, M., & Zhou, Y. (2008). Polydimethylsiloxane / silica hybrid coatings protecting Kapton from atomic oxygen attack, *112*, 1093–1098. <https://doi.org/10.1016/j.matchemphys.2008.07.036>
- Dupont, A., Corning, D., & Sa, E. (n.d.). 2. Characterization of Silicones.

- Fuad, M., Yaakob, I., Mohd Ishak, Z. A., & Kadir, M. (1993). *Density measurement of rice husk ash filler particles in polypropylene composites*. *Polymer Testing* (Vol. 12). [https://doi.org/10.1016/0142-9418\(93\)90033-L](https://doi.org/10.1016/0142-9418(93)90033-L)
- Heiner, J., Stenberg, B., & Persson, M. (2003). Crosslinking of siloxane elastomers, 22, 253–257. [https://doi.org/10.1016/S0142-9418\(02\)00081-8](https://doi.org/10.1016/S0142-9418(02)00081-8)
- Jembere, A. L., & Fanta, S. W. (2017). Studies on the Synthesis of Silica Powder from Rice Husk Ash as Reinforcement Filler in Rubber Tire Tread Part : Replacement of Commercial Precipitated Silica, 6(1), 37–44. <https://doi.org/10.11648/j.ijmsa.20170601.16>
- Kassar, T. (2016). Comparative Elemental Analysis of Rice Husk Ash Calcined at Different Temperatures Using X-ray Fluorescence (XRF) Technique, 4(1), 28–31. <https://doi.org/10.12691/ajcea-4-1-4>
- Kenechi, N., Linus, C., & Kayode, A. (2016). Utilization of Rice Husk as Reinforcement in Plastic Composites Fabrication- A Review, 1(3), 32–36. <https://doi.org/10.11648/j.ajmsp.20160103.12>
- Li, G., Tan, J., & Gong, J. (2012). Chemical aging of the silicone rubber in a simulated and three accelerated proton exchange membrane fuel cell environments. *Journal of Power Sources*, 217, 175–183. <https://doi.org/10.1016/j.jpowsour.2012.05.105>
- Liou, T. (2004). Preparation and characterization of nano-structured silica from rice husk, 364, 313–323. <https://doi.org/10.1016/j.msea.2003.08.045>
- Mahzan, S., Azmi, M. A., Taib, H., Emi, N., & Ain, N. (2014). Vibration Exposure Analysis of the Polysiloxane Reinforced with Rice Husk Silica, 660, 531–535. <https://doi.org/10.4028/www.scientific.net/AMM.660.531>
- Marino Xanthos, GmbH, W. V., & Isbn, W. (2010). Part One Polymers and Fillers. Material, S., & Ash, H. (2016). *Applied Physics*, 4(3), 20–26.
- Materials, S. C., & Campbell, F. C. (2010). *Introduction to Composite Materials*.
- Mitra, A., & Atwood, D. A. (2006). Polysiloxanes & Polysilanes . In *Encyclopedia of Inorganic Chemistry*. John Wiley & Sons, Ltd. <https://doi.org/10.1002/0470862106.ia201>
- Mountney, A., & Wales, B. (n.d.). 14 . Silicones in Transportation : Automotive and Aviation.
- Nunes, R. C. R. (n.d.). Rice Husk Ash in Polysiloxane Compounds Rice Husk Ash in Polysiloxane Compounds, (February 2015).

- Omatola, K. M1* and Onojah, A. D. . (2009). Elemental analysis of rice husk ash using X – ray fluorescence technique, 4(4), 189–193.
- Patil, R., Dongre, R., & Meshram, J. (2014). Preparation of Silica Powder from Rice Husk, 2014, 26–29.
- Petrucci, R., & Torre, L. (2017). *2 Filled Polymer Composites. Modification of Polymer Properties*. Elsevier Inc. <https://doi.org/10.1016/B978-0-323-44353-1.00002-6>
- Prasanna, T. R. S. (n.d.). Angular factor corrections in thin film x-ray diffraction, 1–34.
- Reynders, J. P., & Jandrell, I. R. (1999). Review of Aging and Recovery of Silicone Rubber Insulation for Outdoor Use, 6(5), 620–631.
- Shoundhariya, C. K., Saravanan, M. M., & Sivaraja, M. (2016). Microstructure Study of Rice Husk Ash for Replacement of Cement, 2(21), 211–216.
- Souza, M. F. De, Magalhães, W. L. E., & Persegil, M. C. (2002). Silica Derived from Burned Rice Hulls, 5(4), 467–474.
- Tuan, M. Le, Nguyen, T., & Thanh, X. (2017). Utilization of Rice Husk Ash as partial, 1121, 0–5.
- Uygunoglu, T., Gunes, I., Brostow, W., & Faculty, E. (2015). Physical and Mechanical Properties of Polymer Composites with High Content of Wastes Including Boron 2 . Experimental Studies, 18(6), 1188–1196.
- Yalc, N., & Sevinc, V. (2001). Studies on silica obtained from rice husk, 27, 219–224.