

A drawing technique of the nylon 6 sheet with MoS₂

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Nylon 6 has been used extensively because of chemical, corrosion, impact, vibration, fatigue resistance properties, and MoS₂ was used in nylon for improvement of lubricity. Recently it was needed that more advanced mechanical properties of MoS₂-Nylon sheet. For improvement of MoS₂-nylon 6 sheet properties, it was drawn by heat drawing process in the relationship between drawing and mechanical property. The tensile strength, elongation and young's modulus in dry condition have been examined.