

ABSTRACT

To provide an ETFE film which is unlikely to wrinkle when stretched and retracted, and a method for producing the same. It is an ethylene-tetrafluoroethylene copolymer film characterized in that the crystallinity obtainable by the formula (1) from the peak area S_{20} in the vicinity of $2\theta = 20^\circ$, the peak area S_{19} in the vicinity of $2\theta = 19^\circ$ and the peak area S_{17} in the vicinity of $2\theta = 17^\circ$ in the diffraction intensity curve obtainable by the X-ray diffraction method, is from 55 to 70%, and the proportion of the quasi-crystal layer obtainable by the formula (2) is from 10 to 20%:

$$\text{Crystallinity (\%)} = (S_{19} + S_{20}) / (S_{17} + S_{19} + S_{20}) \times 100 \quad (1)$$

$$\text{Proportion of quasi-crystal layer (\%)} = S_{20} / (S_{17} + S_{19} + S_{20}) \times 100 \quad (2)$$