

ABSTRACT

A gas barrier plastic molded product having high gas barrier properties is provided. The gas barrier plastic molded product is a gas barrier plastic molded product comprising a plastic molded product and a gas barrier thin film provided on the surface of the plastic molded product, in which the gas barrier thin film contains silicon (Si), carbon (C), oxygen (O) and hydrogen (H) as constituent elements, and comprises a Si-containing layer having a Si content percentage represented by (Mathematical Formula 1) of 40.1% or more:

(Mathematical Formula 1)

$$\text{Si content percentage [\%]} = \{(\text{Si content [\%]}) / (\text{total content of Si, O and C [\%]})\} \times 100$$

wherein in Mathematical Formula 1, the content of Si, O or C is a content thereof in the items of the three elements of Si, O and C.