film. In addition, the bleeding material may contaminate production equipment including cast rolls.

Citation List

Patent Documents

[0005]

Patent Document 1: JP 5586784 B2

Patent Document 2: JP 2018-538373 A

Patent Document 3: JP 2015-201616 A

Patent Document 4: WO 2016/043217

Summary

[0005a]

In a first aspect, the present disclosure refers to a multilayer polypropylene film for a capacitor comprising a base layer composed of a propylene polymer composition containing a propylene homopolymer (X) and 0.0001 to 0.05 mass% of a polymer-based α-crystal nucleating agent (C), and a front layer or a back layer composed of a propylene-based polymer (Y) on at least one surface of the base layer, wherein both of the base layer, and the front layer or the back layer are stretched.

Technical Problem

[0006]

An object of the present invention is to provide a film for a capacitor such that the film excels in high-temperature dielectric breakdown voltage (high-temperature BDV) and has blocking resistance, and bleeding-out of, for instance, a nucleating agent is suppressed even after long-term storage.

Solution to Problem

[0007]

The present invention pertains to a multilayer polypropylene film for a capacitor, the film including a base

methyl group or an ethyl group.

[0067]

Specific examples of such an organoaluminum compound include the following compounds.

(1) A compound represented by $R^a_nAl(OR^b)_{3-n}$, such as dimethylaluminum methoxide, diethylaluminum ethoxide, or diisobutylaluminum methoxide.

(2) A compound represented by $R^a_nAl(OSiR^c)_{3-n}$, such as $Et_2Al(OSiMe_3)$, $(iso\text{-}Bu)_2Al(OSiMe_3)$, or $(iso\text{-}Bu)_2Al(OSiEt_3)$.

(3) A compound represented by $R^a_nAl(OAlR^d_2)_{3-n}$, such as $Et_2AlOAlEt_2$, and $(iso\text{-}Bu)_2AlOAl(iso\text{-}Bu)_2$.

[0068]

Among the organic aluminum compounds as described above, an organic aluminum compound represented by R^a_3Al is preferably used.

<Method for producing olefin polymerization catalyst>

The olefin polymerization catalyst can be produced by a method including a step of bringing the solid titanium catalyst component (i), the organosilicon compound component (ii), and the organometallic compound component (iii) into contact with one another.

[0069]

In the present invention, when an olefin polymerization catalyst is formed from these components (i),