

POLYPROPYLENE FOR FILM CAPACITOR, BIAXIALY STRETCHED FILM FOR
FILM CAPACITOR, FILM CAPACITOR, AND PROCESS FOR PRODUCING THE SAME

ABSTRACT

5 It is an object of the present invention to provide a polypropylene
(F) for a film capacitor having excellent stretchability and
uniformity in stretching, which is preferable for a biaxially
stretched film that has a small thermal shrinkage ratio and
sufficient breakdown voltage even in a harsh environment with a
10 high temperature and a high frequency current and a film capacitor
including the biaxially stretched film. The polypropylene (F)
of the present invention includes a propylene homopolymer and an
 α crystal nucleating agent having a melting point of not more than
290°C, wherein the propylene homopolymer satisfies: (1) MFR (JIS
15 K 7210, 230°C, a load of 2.16 kg) is within a range of 1 to 10
(g/10 min); (2) the mmmm fraction is not less than 93%; (3) the
proportion of <2,1> erythro regio defects is less than 0.1% by
mol, as determined using ^{13}C -NMR; (4) the ash amount is not more
than 50 ppm, as obtained by completely burning the propylene
20 homopolymer in the air; (5) the chlorine amount is not more than
5 ppm, as determined by ion chromatography; and (6) the molecular
weight distribution Mw/Mn is 6.5 to 12, as measured by GPC.

[No available figure]