

POLYPROPYLENE FOR FILM CAPACITOR, POLYPROPYLENE SHEET FOR FILM CAPACITOR, METHOD FOR PRODUCING THE SAME, AND USES OF THE SAME

5 Abstract

Disclosed are a polypropylene for a film capacitor and a polypropylene sheet for a film capacitor, each of which exhibits excellent stretchability when stretched into a film and is
10 capable of providing a film that has high dielectric breakdown voltage and small thermal shrinkage. The polypropylene for a film capacitor and the polypropylene sheet for a film capacitor are suitable for a polypropylene film for a film capacitor and a film capacitor comprising the film. The polypropylene for a film
15 capacitor is characterized by being obtained by irradiating a propylene homopolymer with radiation with an absorbed dose of 0.1-500 kGy, said propylene homopolymer having (1) a melt flow rate (MFR) within a range of 1-10 g/10 minutes as determined at 230°C under a load of 2.16 kg in accordance with ASTM D1238, (2)
20 an isotactic pentad fraction (mmmm fraction) of not less than 94% as determined using ¹³C-NMR, (3) an ash content of not more than 30 ppm as obtained by being completely burnt in air, and (4) an chlorine amount of not more than 10 ppm as determined by ion chromatography.

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No suitable figure.