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(54) **IMPACT-RESISTANT POLYPROPYLENE
FILM AND METHOD FOR PRODUCING THE
SAME**

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See application file for complete search history.

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(57) **ABSTRACT**

An impact-resistant polypropylene film and a method for
producing the same are provided. The impact-resistant poly-
propylene film includes two outer layers and a middle layer.
Each of the outer layers includes a propylene block polymer.
The propylene block polymer includes a propylene mono-
mer and an ethylene-propylene polymer, and the ethylene-
propylene polymer is dispersed in the propylene monomer to
form a sea-island structure. The sea-island structure includes
a sea phase and an island phase, the propylene monomer is
defined as the sea phase, and the ethylene-propylene poly-
mer is defined as the island phase. The middle layer includes
a propylene block polymer and an ethylene elastomer. Based
on 100 parts by weight of the middle layer, a content of the
propylene block polymer is 60 to 80 parts by weight, and a
content of the ethylene elastomer is 20 to 40 parts by weight.

15 Claims, 1 Drawing Sheet

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