

F-4370-L

A B S T R A C T

PROCESS FOR MANUFACTURING A METALLISED POLYOLEFIN
FILM AND RESULTING FILM

A process for manufacturing a metallised, flexible film of a polymeric material to provide a structure possessing high metal-to-film adhesion and little, if any, tendency toward metal fracture is disclosed. At least one polyolefin layer comprising a substantially isotactic polymer having a degree of atacticity of no more than 6% is subjected to flame treatment followed by vacuum metallisation of this surface (preferably with aluminium). The isotactic component is preferably polypropylene homopolymer. Other components include up to about 34% of an adhesive-promoting component which can be a C₂ to C₄ polymer, including a homo-, co-, or terpolymer, and a second isotactic polymer having a degree of atacticity from 6% to 15%.