

## Optical Properties of LLDPE-LDPE Melt Blends in Blown Film

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Reduction in surface haze is a very attractive way to improve the optical properties of most LLDPE-LDPE blended blown films. This route becomes very practicable for blown films where LLDPE and LDPE are melted and mixed in twin screw extruder prior to blown film extrusion to provide the desired optical properties, such as haze and gloss. This study summarizes the effect on surface haze of various such polyethylene compositions with a broader goal to produce low haze and high gloss blown films. The surface roughness of blown films is measured using atomic force microscopy (AFM) and is directly correlated to measured surface haze and gloss of the blown films.