

DOW™ BOOSTER throughput enhancer concentrate can significantly increase productivity in the extrusion of LLDPE films, whether monolayer or part of a co-extruded structure. Designed to help processors cut cost, BOOSTER increases bubble stability, allowing output increases of up to 50%. BOOSTER also enhances gauge uniformity, giving significant opportunities for downgauging.

BOOSTER can improve bubble stability which can result in a 20% to 50% increase in extruder output at a constant gauge thickness. BOOSTER enhances gauge uniformity, especially of thin films, allowing downgauging of up to 20% without loss of physical properties. BOOSTER can be used in the production of film for most uses except where high clarity is essential. BOOSTER does not interfere with other additives and is approved for food contact applications at up to 2% loading. BOOSTER can increase the melt strength which is beneficial in both very thin and very thick films at high production rates. During drawdown, BOOSTER increases the resistance of the melt to localized draw thinning around the die circumference which can improve gauge uniformity and downgauging.

BOOSTER GRADE	DENSITY, g/cm3	MELT FLOW INDEX, dg/ min, 190C/2.16kg	MELTING POINT, °C	LET-DOW RATIO, %	APPLICATION / USE
BL-HPB	0.926	50	123	1 - 3	Throughput and melt strength enhancer for use with 100% LLDPE film.
LLD-100B	0.926	50	123	1 - 3	Throughput and melt strength enhancer for use with LLDPE / LDPE blends utilizing 75% - 90% LLDPE.

NOTE: Do NOT put this material into a melt flow index tester. This material is a reactive polymer when exposed to heat. The melt flow index is reported for the base polymer only.

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