MBT South Africa
Distributors of Plastics Raw Materials

LLDPE and its Use in Various Market Sectors

Market Sector	Benefits of LLPDE Compared to LDPE	Advantages of C_6 LLDPE Compared to C_4 LLDPE
Liner Sacks for Chemical Drums and Woven Bags	• Better ESCR • Achievement of raw materials savings by down gauging	• Much higher ESCR • Much higher toughness
Carrier Bags in LDPE and HDPE	• Better mechanical properties (down gauging) and stiffness • Better surface gloss, tear strength and sealability	• Much better mechanical properties • Higher tear strength • Higher seal strength
Refuse Sacks in LDPE and Recycled PE	• Stronger and thinner bags • Improved mechanical properties	• Much better mechanical properties
Chemical and Water Tanks	• Better ESCR	• Much higher ESCR
Stretch Film : Cast film & Blown Film	• Better mechanical properties • Better stretch properties	• Gives film higher force for pallet stability
Lamination Film	• Better sealing properties • Higher pinhole resistance • Higher ESCR for oil packing	• Better contamination sealing strength • Higher puncture resistance • Higher ESCR
Frozen Food Packaging	• Better low temperature resistance	• Much better low temperature resistance
Heavy Duty Sack	• Better mechanical properties • Raw materials savings by down gauging	• Better impact strength • Higher tear strength • Higher seal strength
Agriculture Mulch Film, Silage Film & Greenhouse Film	• Improved puncture resistance • Improved tear strength	• Higher puncture resistance • Higher tear strength • Higher impact strength