



LDPE APAK CB52501

LDPE is defined in the density range of 0.910-0.940 g/cm³. It is inert at room temperature except for high oxidation factors. It can withstand temperatures of 80 °C continuously and a short time at 95 °C. It is formed in completely flexible translucent or opaque variations and is almost too strong to break.

LDPE APAK CB52501 is a Narrow MWO HOPE specially designed for beverage bottles of sparkling water, hotfilled and carbonated soft drinks. This grade has excellent organoleptic properties which prevent unpleasant odor and taste from cap or closure to transfer to water. It has good gas permeability characteristics, superior processability and excellent mechanical strength.

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	g/10 min	1.0	D1238
Density	g/cm ³	0.952	D1505
Thermal Properties	Unit	Value	Test Method
Vicat Softening Point	°c	123	D1525
Molded Properties	Unit	Value	Test Method
Flectural Modulus	Mpa	800	D790
Tensile Strength at Yield	Mpa	25	D790
Tensile Strength at Break	Mpa	36	D638
H.D.T	°c	78	D648
Notched Izod Impact @ 23 °C	J/m	80	D256/A