



## LDPE APAK LL-235FC6

LDPE is defined in the density range of 0.910-0.940 g/cm<sup>3</sup>. 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 LL-235FC6 is a linear-low density polyethylene resin (LLDPE), obtained by gas phase technology process. This grade designed for the production of different type of films and agricultural tapes. In this grade excellent processability, mechanical properties, melt strength and drawability achieved based on the balanced molecular weight and molecular weight distribution. LDPE APAK LL-235FC6 has good sealability and approved for food.

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	g/10 min	0.6	D1238
Density	g/cm <sup>3</sup>	0.923	D1505
<b>Thermal properties @</b>			
Flexural modulus	°C	107	D1525
Notched Izod impact at 23°C	°C	127	D3418
Flexural modulus	MPa	385	D790
Tensile Strength at Yield	MPa	11.5/12 (MD/TD)	D882
Tensile Strength at Break	MPa	47/28 (MD/TD)	D882
Tensile Elongation at Break	%	>600	D882
Elmendorf Tear	gr	130/470 (MD/TD)	D1922
Hardness	Shore D	55	D2240
ESCR	hr	>1000	1693
Oncompression molded according to ASTM D1928C			