



LDPE APAK MDA 3820

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.

Resin Properties	Unit	Typical Value	Test Method
Melt Index (190 °C / 2.16Kg)	g/10 min	0.6	D1238
Density	g/cm ³	0.935	D1505
Thermal properties @			
Vicat Softening Point	°C	118	D1525
Melting Point	°C	129	D3418
Mechanical Properties @			
Flexural modulus	MPa	640	D790
Tensile Strength at Yield	MPa	18	D638
Tensile Strength at Break	MPa	25	D638
Tensile Elongation at Break	%	>800	D638
Notched Izod Impact @ 23 °C	J/m	600	D256/A
Hardness	Shore D	61	D2240
ESCR	hr	>1000	1693
Oncompression molded according to ASTM D1928C			