

HDPE FOOD GRADE



DESCRIPTION:

H99N LO is a High Density Polyethylene resin 100% postconsumer recycled (PCR), obtained from the extrusion of colorless flake that are subjected to a hot washing process of the highest quality.

In the extrusion process, it has double filtration, the first with double 80 mesh mesh and the second with double 120 mesh mesh.

It is subjected to a thermophysical cleaning process that eliminates odors and highly volatile substances.

PROCESSES

Blow Molding.

Control Properties

	METHOD	UNITS	VALUES
Melt Flow index (190°C/2.16Kg)	ASTM D 1238	g/10min	0.5
Density	AST M D 1505	g/cm ³	0.957
Volatiles	GAS CHROMATOGRAPHY	ppb	<300
LNO FDA	---	---	PNC 3120

Typical Properties

Tensile Strength at Yield	AST M D638	MPa	28
Strain at Break	AST M D638	%	438
Elasticity Modulus (Secant 1%)	AST M D638	MPa	1405
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1401
ESCR (100% Igepal) ²	ASTM D1693	h	6
Izod Impact Strength ³	ASTM D256/A	J/m	80



Notes:

The rHDPE is intended for use up to 100% recycled content for the manufacture of articles for contact with all food types under Conditions of Use (COU) A through H

