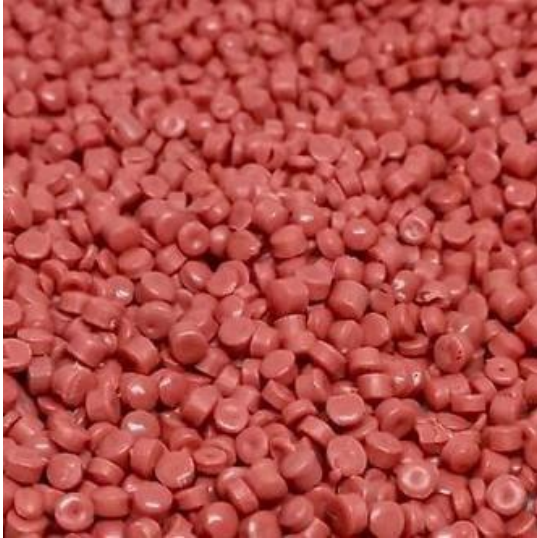


HR100



DESCRIPTION:

HR100 is a High Density Polyethylene resin 100% postconsumer recycled (PCR), obtained from the extrusion 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.

PROCESSES

Blow Molding.

Control Properties

	METHOD	UNITS	VALUES
Melt Flow index (190°C/2.16Kg)	ASTM D 1238	g/10min	0.44
Density	ASTM D 792	g/cm ³	0.963

Typical Properties

Tensile Strength at Yield	ASTM D638	MPa	25
Tensile Strength at Break	ASTM D638	MPa	15
Strain at Yield	ASTM D638	%	7
Strain at Break	ASTM D638	%	350
Elasticity Modulus (Secant 1%)	ASTM D638	MPa	1135
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1194
ESCR (Igepal 100%) ²	ASTMD1693	h	0
Izod Impact Strength ³	AST D256/A	J/m	58
FNCT	ISO 16770	min	36

Notes:

- The specifications shown in this document correspond to average values, they were obtained through laboratory tests.
- Mechanical properties were measured from specimens (prepared according to ASTM D 4703 Method C). For the correct operation of this material, the use of dehumidifiers is recommended

