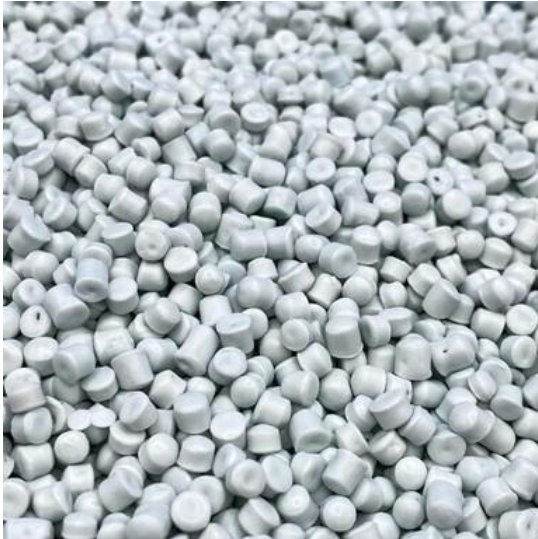


HB100



DESCRIPTION:

HB100 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 D 638	MPa	25
Tensile Strength at Break	ASTM D 638	MPa	15
Strain at Yield	ASTM D 638	%	7
Strain at Break	ASTM D 638	%	350
Elasticity Modulus (Secant 1%)	ASTM D6 38	MPa	1135
Flexural Modulus (Secant 1%)	ASTM D 790	MPa	1194
Izod Impact Strength ³	ASTMD256/A	J/m	58
ESCR (Igepal 100%) ²	AST D1693	h	10
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

Email: Ventas2@alcamare.com

Libramiento Empalme Escobedo No. 110-C, Col. La Palma, Comonfort, Guanajuato, C.P. 38200 Cel. 461 266 8779.

