

VENELENE[®] POLYETHYLENE PRODUCT SELECTION CHART



Venelene[®] Polyethylene is a family of products that encompasses low-density linear and branched polyethylene, medium-density polyethylene and high-density polyethylene adjusted to the needs of the market as well as processability, properties and performance requirements of the final products for different applications.

Herein below there is a selection chart of classified product by transformation processes and applications to be used. It also indicates the basic parameters such as density and fluidity index.

Venelene[®] Grades for Blown Film Extrusion

Material	Grade	MFI (dg/min)	Density (g/cm ³)	Application
LDPE	FB-3003	0,27	0,9220	Industrial bags, protective covers, high-resistance thermal shrink, films for agricultural purposes.
	FB-7000	0,80	0,9220	High-resistance and transparent thermal shrink, transparent industrial bags, films for agricultural purposes.
	FA-0238	1,85	0,9200	Semi-industrial bags and bags, bags for supermarkets, thermal shrink films with intermediate thickness.
	FA-0240	1,85	0,9200	Semi-industrial bags, automatic packaging of food, boutique bags, and general purpose bags.
	FD-0325	3,55	0,9210	Low-thickness thermal shrink film, Lamination film with adhesives on paper, aluminum and others.
	FD-0348	3,55	0,9210	General purpose bags for packaging, automatic packaging coils (rice, flours, grains, etc.).
	LA-0903	9,0	0,918	Coating of substrates such as paper, aluminum, cardboard and Injection of household flexible items.
LLDPE	11F1	0,80	0,9190	Stretchable films for manual packaging, semi-industrial and sanitary use (Diapers, pads, etc.).
	11Q4	0,75	0,9190	Industrial sacks, sacks and ice bags, refrigerated food, large bags and films in general.
	11U4	1,40	0,9225	Liquid Automatic Packaging, excellent "Hot-Tack" resistance.
	11PG1	1,00	0,9200	Lamination, automatic packaging with a capacity below 2 Kg, and general purpose bags.
	11PG4	1,00	0,9200	Films for bags, large bags industrial packaging and sacks.
	11E1	2,30	0,9180	Films for Lamination, automatic packaging with a capacity below 2 Kg, and general purpose bags.
	11O1 (Octene)	0,90	0,9180	Heavy industrial packaging, sacks and large bags for secondary packaging or packaging reinforcement.
	11O4 (Octene)	0,90	0,9180	Films for Lamination, automatic packaging with a load below 5 Kg. for automatic packaging lines.
11S1 (Octene)	2,50	0,9170	Cast stretch film for sanitary use.	
HDPE	7000F	0,045	0,9550	T-Shirt bags, trash bags and films in general.
LDPE/LLDPE	FB-3030	0,37	0,9220	Industrial sacks, films for agricultural purposes, protective covers, bags and large bags in general.
	FD-4048	2,45	0,9215	General purpose bags for packaging, rolls for automatic packaging.

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Venelene[®] Grades for Injection Molding

Material	Grade	MFI (dg/min)	Density (g/cm ³)	Application
LDPE	MA-7007	67	0,9150	Flexible household items, flowers, artificial plants and Christmas trees.
LLDPE	2111	20	0,9235	Thin walled containers and lids, household appliances, trash buckets, seal-type caps, etc.
	2213	42	0,9260	Thin walled containers and lids, household appliances, seal-type caps.
HDPE	2706	4,5	0,9510	Pails, kegs and industrial parts with high impact resistance, to piling and to surfactant agents.
	2710	18,0	0,9500	Household appliances, baskets, automotive panels, general production of articles by injection.
	2908APUV	10,5	0,9600	Crates, baskets and boxes, specially additive-added for extended useful life of products under outdoor conditions.
	2707AP	5,5	0,9490	Boxes, baskets, casks, kegs and industrial parts with high impact resistance to piling and to surfactant agents.
	2811	30	0,9530	Thin walled containers, household appliances, toys.
	2815	55	0,9530	Thin walled containers.

Venelene[®] Grades for Extrusion Blowing and Piping

Material	Grade	MFI (dg/min)	Density (g/cm ³)	Application
HDPE	3200B	0,65	0,9660	Thin walled blown Containers for milk products and juices.
	6200B	0,40	0,9580	Containers for detergents, cosmetics and chemicals with a capacity below 10 l.
	7700B	0.045	0,9500	High-capacity and high chemical resistance drums.
	6100M	0,12	0,9530	Pipes for water works, gas, irrigation and drainages. This material meets the requisites for being deemed PE80 (ISO 9080 Standard).
	7700M	0.045	0,9500	Pipes for water works, gas distribution network, irrigation and drainages. This material meets the requisites for being deemed PE100 (ISO 9080 Standard).

Venelene[®] Grades for Rotomolding

Material	Grade	MFI (dg/min)	Density (g/cm ³)	Application
MDPE	8405 UV8D	2,7	0,9370	Large capacity Tanks.
	8504 UV8D	1,9	0,9380	Large capacity Tanks.
	8407 APUV	5,0	0,9385	Medium and Large capacity Tanks.