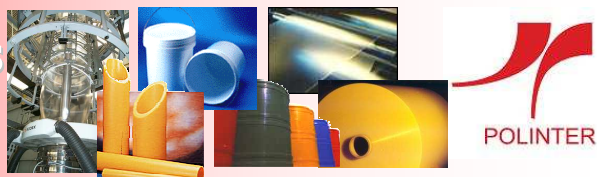


Venelene® Polyethylenes Technical Data Sheet



Venelene® MA-7007 LDPE for Injection Moulding

Main Features:

- ◆ Good processability.
- ◆ High flexibility.

Common Applications:

- ◆ Thin wall containers, lids, caps, closures, and house ware products.
- ◆ House ware flexible products, artificial plants.
- ◆ Masterbath resin to additives and colorants.

Processing Conditions:

- ◆ Injection temperature range: 160 – 180 °C.
- ◆ Molding temperature < 20 °C.

Properties	ASTM ⁽¹⁾	Units	Typical value ⁽²⁾
Melt Flow Index (190°C / 2.16 Kg.)	D 1238	g/10 min	67.00
Density	D 792	g/cm ³	0.9150
Designación NORVEN: (Termoplástico) Covenin (3581)-PE, BH, 13-E700			
General properties ⁽³⁾			
Flexural modulus	D 790	MPa	100
Flexural Strength (5% deformation).	D 790	MPa	5
Tensile Strength at yield	D 638	MPa	-
Tensile Elongation at yield	D 638	%	-
Tensile Strength at break	D 638	MPa	10
Tensile Elongation at break	D 638	%	> 400
Gardner Impact resistance	D 5420	KJ/m	6
VICAT Temperature	D 1525	°C	83
ESCR ⁽⁴⁾ (F 50 / 10% Igepal)	D 1693	h	< 1.0
Additives:			
Antioxidants		Standard	
Processing aid Additives		N/A	
UV Stabilizers		N/A	

(1) COVENIN - ASTM standards equivalency: Density Covenin 461-96; Melt Flow Index Covenin 1152-93; Tensile Mechanical Properties Covenin 1357-79. Vicat temperature 479-77.

(2) Reported typical values are obtained from laboratory test. Values should be used as a commercial guide, not as guaranty or specification data.

(3) The proprieties were evaluated under test tube molded by injection under the next conditions: temperature profile 160-180°C; Injection pressure 700 Bar; second phase pressure 500 bar, Molding temperature: 60 °C. Both the mechanical properties and the ESCR depend on the processing conditions.

(4) ESCR: Environmental Stress Cracking Resistance.

User Advice: The information provided, to the best knowledge at the time of the publication, is true and accurate. However, POLIOLEFINAS INTERNACIONALES disclaim any liability for the consequences derived from the information uses.

This product meets Venezuelan Sanitary Ministry and FDA requirements for food contact, including cooking applications.