PADMEX 56035

Polyethylene, High Density

HDPE BLOW

Flow Index 0.35 g/10min **Density** 0.956 g/cm ^{3}

Features:

- Bimodal blow grade copolymer with a wide molecular weight distribution.
- This resin provides an excellent processing stability, high impact strength and rigidity.
- High top load strength and good environmental stress crack resistance (ESCR).
- Padmex 60120 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520.

Applications:

* Bottles to conserve chemical and cleaning agents.
* Recommended for blow modeling for containers ranging from 1 to 30 lts.

Additives:

* Antioxidant * Lubricant

PARAMETER	UNIT	TEST METHOD	TYPICAL VALUE **
Flow Index	g/10 min.	ASTM D - 1238	0.35
Density	g/cm^3	ASTM D - 1505	0.956
Mechanical *			
Tensile Strength @ Yield	MPa	ASTM D - 638	34.3
Tensile Strength @ Break	MPa	ASTM D - 638	15
Tensile Elongation @ Brk	%	ASTM D - 638	> 500
IZOD Impact	J/m	ASTM D - 256	125
Flexural Modulus	MPa	ASTM D - 790	50.4
Young Modulus	MPa	ASTM D - 790	27.9
ESCR F50 Procedure C	h	ASTM D - 1693	> 200
Durometer Hardness (D Scale)	Tipo D	ASTM D - 1706	62
Vicat Softening Point	°C	ASTM D - 1525	125
Melting Point	°C	ASTM E - 794	130

Conditions

The recommended melt temperature to obtain the best properties is : 210-250°C
Die temperature: 1175-195°C

Presentation

* 25kg. Sacks
* Pellets

** Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and with the European standards 85/572/EEC, 90/128/EEC y 97/48/EEC covering safe use of polyolefin articles intended for direct food contact.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.