High Density Polyethylene

62107

(Basell Grade: 6070)

Typical properties	Test method (DIN)	Unit	Value
MFI@190°C, 2.16 kg	DIN 53735	gr/10min	7
Density	DIN 53479	gr/ml	0.962
Notched Impact Strength	DIN 53453	mj/mm2	≥2.7
Standard Yellow Index	DIN 6167	-	≤4

- ❖ For transport and stacking crates, particularly bottle crates
- ➢ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

62107 is a high density polyethylene grade, suitable for mass production injection moulding of articles in rapid shot sequence applications.

- **Characteristics:**
  - Low distortion tendency.
  - High hardness and rigidity.
  - Good toughness.
  - Good ESCR
  - Crates
- **Typical applications are:**
  - Transport and stacking crates particularly bottle crates.

❖ **62107** is suitable for food contact.

TECVES

Form Number:TS-PE-F/804 Date:11/07/2016	PRODUCT: HDPE 62107	LOPC Integrated Management System(IMS)
Silo: D-9001C	Grade: HD 62107	Lot No: 95100

No	ANALYSIS	UNIT	METHOD	SPECIFICATION	RESULT	REMARK
1	MFI (190°C/ 2.16 Kg)	gr/10min	ASTM D1238-10	5.6-8.4	6.5	According to Procedure B
2	MFI (190°C/ 21.6 Kg)	gr/10min	ASTM D1238-10	–	166.4	According to Procedure B
3	FRR	–	–	–	25.6	MFR(190/21.6) / MFR (190/2.16) ; Procedure D
4	Density (Gradient)	gr/cm³	ASTM D1505-10	0.960-0.964	0.961	Condition 23°C
5	Bulk Density	gr/cm³	In house	–	0.62	
6	Contamination Ratio	–	BASELL MTM-17064 E	–	6	
7	Flexural Modulus	Mpa	ASTM D 790-10	–	1108	
8	Tensile stress at yield	Mpa	ASTM D 882-10	-	31.5	
9	Tensile stress at break	Mpa	ASTM D 882-10	-	15.7	
10	Elongation at break	%	ASTM D 882-10	-	1048	
11	IZOD Impact Resistance	J/m	ASTM D 256-02	-	53	Notched Method

*All above mentioned data are typical values and not to be construed as real specification. Users should confirm results by their own tests.

Mechanical tests from compression moulded sheet at 23 •C.50% humidity and the data quoted are average values.

Guaranteed items: MFR 2.16 Kg & Density

Note: According to the above specification, the produced granul is **ON Spec.**

* UV Stabilizer is added into polymer.

Provide by:

Signature:

L.O.P.C Quality Control

L.O.P.C ON SPEC Quality Control

Approved by:

Signature:

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