

High Density Polyethylene HDB6050

Description:

HDB6050 is a high molecular weight copolymer grade developed for the production of medium large blow molded articles. Provides excellent processability, good rigidity, outstanding chemical resistance, high impact strength and high ESCR.

Applications:

capacity for packaging aggressive products.

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	5.0
Density	ASTM D 792	g/cm ³	0.950

Typical Properties¹

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D638	MPa	22
Tensile Strength at Break	ASTM D638	MPa	40
Elongation at Break	ASTM D638	%	664
Elasticity Modulus (Secant 1%)	ASTM D638	MPa	1125
Flexural Modulus (Secant 1%)	ASTM D790	MPa	1090
Izod Impact Strength ³	ASTM D 256/A	J/m	553
Charpy Impact Strength ³	ISO 179-1EA	kJ/m ²	25
NCLS	ASTM F2136	h	260
ESCR (10% Igepal) ²	ASTM D 1693	h	190
ESCR (100% Igepal) ²	ASTM D 1693	h	>1000

¹ Test specimens from compression molded plaque according to ASTM D4703.

² Condition B.

³ Test temperature at 23°C.

Final Remarks

- The information in this document is provided in good faith and reflects typical values obtained in our laboratories and should not be considered as absolute nor warranted. Only the properties and values mentioned on the certificate of quality are considered as product warranty.
- In some application, Braskem IDESA has developed resins well-tailored to meet specific requirements.
- In case of doubts regarding our product use for other applications, please contact our Braskem IDESA technical services serviciostecnicos@braskem.com.
- For information about safety, handling, individual protection equipment, first aid disposal, consult the safety data sheet (SDS) or please contact our Braskem IDESA safety team product.safety@braskem.com CAS Number:2513-02-9
- The values reported in this document may change without Braskem IDESA communication.
- Braskem IDESA does not recommended the use of this product for the manufacture of packages, parts or any other used storage or contact with parenteral solution nor with the inside of the human body.
- The content of this product data sheet replaces the one issued previously.