

# Braskem PE HDB0763

High Density Polyethylene

Braskem IDESA

## Message:

HDB0763 is a high density polyethylene homopolymer, developed specifically for blow molding food containers. It exhibits excellent processing characteristics and extremely low odor in the finished container. This material meets the Food and Drug Administration requirements of 21 CFR 177.1520. Typical Applications:

Blow molded small volume containers for dairy products, yogurt, juice and other liquid food packing.

Process:

Blow Molding

Injection Blow Molding

General Information	
Features	Homopolymer
	Workability, good
	The smell is low to none
	Compliance of Food Exposure
Uses	Blown Containers
	Packaging
	Blow molding applications
	Container
	Food packaging
	Food container
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow molding
	Injection blowing molding

Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.72	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus			ASTM D790
2% secant	1240	MPa	ASTM D790
Tangent	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method


Notched Izod Impact	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	84.0	°C	ASTM D648
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	132	°C	ASTM D1525

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