

## High Density Polyethylene HDB0763

### Description:

HDB0763 is a high density polyethylene homopolymer, designed for blow molding of food packaging. It exhibits excellent processing properties and extremely low odor transfer in finished goods.

### Applications:

Milk packaging, Water bottles, Juice packaging, Liquid food packaging

### Processes:

Extrusion Blow Molding

### Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTMD 1238	g/10 min	0.720
Density	ASTMD 792	g/cm <sup>3</sup>	0.960

### Typical Properties<sup>1</sup>

Feature	Method	Units	Values
Tensile Strength at Yield	ASTM D 638	MPa	30
Tensile Strength at Break	ASTM D 638	MPa	20
Strain at Yield	ASTM D 638	%	6
Strain at Break	ASTM D 638	%	424
Elasticity Modulus (Secant 1%)	ASTM D 638	MPa	1475
Flexural Modulus (Secant 1%)	ASTM D 790	MPa	1480
Izod Impact Strength <sup>3</sup>	ASTM D 256/A	J/m	100
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	75
Vicat Softening Point (10 N)	ASTM D 1525	°C	130
ESCR (100% Igepal) <sup>2</sup>	ASTM D 1693	h	10

<sup>1</sup> Test specimens from compression molded plaque according to ASTM D4703.

<sup>2</sup> Condition B.

<sup>3</sup> Test temperature at 23°C.

### Final Remarks

- It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
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