



LUTENE-H[®] BE0400

High Density Polyolefin

Applications

LUTENE-H BE0400 is used to produce for the following parts.

- lightweight container from 1 to 10 liters in capacity
- from 10 to 20 liters in capacity for Jerrican
- pipes and sheets

Description

- LUTENE-H BE0400 is an excellent material for blow-molded articles with high density and rigidity. It has good flow characteristics and impact resistance.

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
Melt Index(190°C,2.16kg)	ASTM D1238	g/10min	0.25
Melt Index(190°C,21.6kg)	D1238	g/10min	25
Density	D792	g/cm ³	0.958
Mechanical⁽²⁾			
Tensile Strength at Yield	D638	Mpa	30
Elongation at Break	D638	%	>500
Hardness(shore D)	D2240	-	64
Flexural Modulus	D790	Mpa	1,100
Izod Impact Strength	D256	J/m	200
ESCR(F50)	D1693	hr	50
Thermal			
Melting Point	LG Method	°C	134
Vicat Softening Point	D1525	°C	130
Heat Deflection Temperature	D648	°C	76

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens

For additional sales, order and technical assistance

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Processing information

- LUTENE-H **BE0400** was developed for extrusion blow molding. From 20 to 25 in L/D ratio are suitable for processing. Depending on screw configuration, the cylinders are set to temperatures between 160 and 200°C. The melt temperature can range between 180 and 200°C. The ideal mold temperature should be between 5 and 40°C.

Extruder Temperature Guide				
Heating zone		Min(°C)	Ideal(°C)	Max(°C)
Cylinder	Feeding zone	160	165	185
	Compression Zone	175	180	195
	Metering Zone	180	190	200
Adapter		175	180	190
Head		165	180	195
Die		160	170	190
Melt Temperature		180	180	200

Storage and handling Recommendations

LUTENE-H **BE0400** is available in free-flowing pelletized form designed for use in conventional polymer fabrication systems. **BE0400** should be stored in dry condition at temperature below 50°C and protected from UV-light radiation. Storage under inappropriate conditions could initiate degradation, which results in negative influence on the processability and the properties of the transformed product.

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