

## High Density Polyethylene

## HB10051B

### PRODUCT DESCRIPTION

Blow molding resin, high molecular weight HDPE copolymer for large-part blow molding application.

### APPLICATIONS

Product used for large-part blow molding, trash cans, drums, fuel tanks, corrugated drainage pipe application, pharmaceutical bottles and toys.

### TYPICAL PROPERTIES

Properties	Typical Value	Unit	Test Method
High Load Melt Index (190°C/21.6 kg)	10.0	g/10 min	ASTM D1238
Density	0.951 - 0.953	g/cm <sup>3</sup>	ASTM D4883
Tensile Strength at Yield	3,500 - 3,700	psi	ASTM D638
Low Temperature Brittleness Point	<-65	°C	ASTM D746
Flexural Modulus	183,000 - 187,000	psi	ASTM D790
Tensile Impact Strength	31 - 33	J/cm <sup>2</sup>	ASTM D1822
ESCR, F <sub>50</sub> (Condition B, 100% Igepal)	> 1000	hr	ASTM D1693

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