

## SABIC B4660/B4660AB High Density Polyethylene for Blow Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

**Product Description:** B4660 series grades are medium molecular weight High Density Polyethylene homopolymer for blow molding applications. They are primarily designed for imparting high rigidity, toughness and good processability. These unique properties offer the possibility to reduce weight at very good top load strength. B4660 series includes the following grades: B4660 - Suitable for Dairy Products and Juice Packaging B4660AB - Suitable for Water Packaging

**Typical Applications:** B4660 Series resins are primarily intended for blow molding bottles for the food and beverage industry. The grades are intended to meet customer specifications in respect to purity, healthiness and organoleptics. They can also be used in other thin-walled parts and profile extrusions. They are not recommended for packaging environmentally active materials such as soaps, detergents, shampoos, etc.

Information provided by SABIC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-B4660B4660AB-High-Density-Polyethylene-for-Blow-Molding.php](http://www.lookpolymers.com/polymer_SABIC-B4660B4660AB-High-Density-Polyethylene-for-Blow-Molding.php)

Physical Properties	Metric	English	Comments
Density	0.961 g/cc	0.0347 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	0.70 g/10 min	0.70 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	2.8 g/10 min	2.8 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	46 g/10 min	46 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D638
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Strength	28.0 MPa	4060 psi	ASTM D790
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
1% Secant Modulus	>= 1000 MPa	>= 145000 psi	ASTM D638
Izod Impact, Notched	1.50 J/cm	2.81 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 210 °C	374 - 410 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China