

## PRODUCT DESCRIPTION

PE HD03580 SB is a high density hexene copolymer with a bimodal structure providing an outstanding balance of environmental stress crack resistance (ESCR) and stiffness, high rigidity, easy processing and high impact strength. This grade usually allows significant down gauging and is particularly well suited for chemical and detergent market, where a good environmental ESCR is required.

## TYPICAL APPLICATIONS

PE HD03580 SB is recommended for Blow Molded containers of up to 30 liters for packaging chemicals, household goods, oil, cosmetics and pharmaceuticals.

Properties	Conditions	Method	Typical values*	Units
<b>Rheology</b>				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133-1	0.30	g/10 min
<b>Physical</b>				
Density		ISO 1183	0.958	g/cm <sup>3</sup>
<b>Mechanical</b>				
Tensile Stress at Yield		ISO 527-1	30	MPa
Tensile Strength at Break		ISO 527-1	30	MPa
Elongation at Break		ISO 527-1	550	%
Flexural Modulus		ISO 178	1350	MPa
Charpy Notched Impact Strength	23 °C	ISO 179	12	kJ/m <sup>2</sup>
Notched Izod Impact Strength	23 °C	ASTM D256	40	kJ/m <sup>2</sup>
BTT Stress Crack Resistance	F50, 100 %	ASTM D1693	200	hours
<b>Thermal</b>				
Vicat Softening Temperature	10 N	ISO 306	129	°C

\*The values given are typical values measured on the product. These values should not be considered as specification.

## REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

**PJSC «Sibur Holding» (and its subsidiaries)** is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

098 338 0198

## Safety

See MSDS

## Contact

### PJSC «Sibur Holding»

Basic Polymers Division  
3-16, Krzhizhanovskogo St.  
117997, Moscow, Russian Federation  
Tel.: ++7 495 7775500  
E-mail: [servicedbp@sibur.ru](mailto:servicedbp@sibur.ru)

### European Sales Office

Sibur International GmbH  
Prinz Eugen Straße 8-10  
1040, Vienna, Austria  
Tel.: ++43 1 370 8000  
E-mail: [polyolefins@sibur-int.com](mailto:polyolefins@sibur-int.com)

### Turkey Sales Office

SIBUR International Trading Istanbul  
EGS Business Park, B1 Blok, Kat.9, No.318 Yeşilköy,  
Bakırköy  
Istanbul, Turkey  
Tel: ++90 212 465 2321  
E-mail: [polyolefins@sibur-int.com](mailto:polyolefins@sibur-int.com)

### Chinese Sales Office

SIBUR International Trading (Shanghai)Co., Ltd  
Rm.62T70, SWFC, Century Ave.100 Pudong New  
Area, 200120, Shanghai, China  
Tel: ++86 021 2206 5066 ext 215  
E-mail: [serviceCN@sibur-int.com](mailto:serviceCN@sibur-int.com)

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