

# Eraclene® SB 60

High Density Polyethylene

Versalis S.p.A.

## Message:

Eraclene SB 60 is a high density polyethylene resin (HDPE), with antioxidants, suitable for sheets application. The resin is appreciated for its white colour, excellent extrudability, good rigidity, very low water vapour permeability, good sealability and high resistance to low temperature.

### Main Application

Eraclene SB 60 is recommended for the production of extruded sheets to be used as semi finished items for thermoforming and protection profiles for metallic parts. Thanks to high noise absorption, the sheets produced by Eraclene SB 60 can be used as acoustic insulator for barrier construction.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Processability		
	High Density		
	Low Temperature Resistant		
	Low to No Water Absorption		
	Medium Rigidity		
	Noise Damping		
Uses	Acoustic Barrier		
	Profiles		
	Sheet		
Agency Ratings	EU Food Contact, Unspecified Rating		
Appearance	White		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	22.0	MPa	
Break, Compression Molded	31.0	MPa	

Tensile Strain (Break, Compression Molded)	> 800	%	ISO 527-2
Flexural Modulus (Compression Molded)	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>1</sup> (Compression Molded)	260	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ISO 306/A
Melting Temperature	132	°C	Internal Method
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 230	°C	
NOTE			

1. Method A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

