

**Product Description**

EL-Lene H6140B is a high density polyethylene resin suitable for producing cosmetic bottles by using extrusion blow molding machine.

**Typical Application**

- Personal and homecare bottles
- Lube oil bottles
- Brake fluid bottles
- Chemical bottles
- Milk bottles

**Product Characteristics**

- Excellent surface appearance
- Good impact and compressive strength
- Good processability
- Good printability
- Food contact applicable (Complies with U.S FDA 21 CFR 177.1520)

**Physical Properties**

Property	Test Method	Value	Unit
Melt Flow Rate	ASTM D 1238 @ 190°C, 2.16 kg	0.30	g/10 min
Density	ASTM D 1505	0.962	g/cm <sup>3</sup>
Tensile Strength at Yield	ASTM D 638 @ Crosshead speed 50 mm/min	300	kg/cm <sup>2</sup>
Tensile Strength at Break	ASTM D 638 @ Crosshead speed 50 mm/min	350	kg/cm <sup>2</sup>
Elongation at Break	ASTM D 638 @ Crosshead speed 50 mm/min	1100	%
Flexural Modulus	ASTM D 790	13000	kg/cm <sup>2</sup>
Notched Izod Impact	ASTM D 256 @ 23°C	10	kg.cm/cm
Hardness	ASTM D 2240	66	Shore D
ESCR	ASTM D 1693 @ 50°C (Condition B, Compression Molded, 25% Igepal)	100	hrs, F <sub>50</sub>
Melting Point	ASTM D 2117	132	°C
Vicat Softening Point	ASTM D 1525	128	°C
Brittleness Temperature	ASTM D 746	< - 60	°C

Note : Conversion factor for changing unit from kg/cm<sup>2</sup> to MPa is divided by 10.20

**Processing Techniques**

The actual extrusion condition depends on type of using machine, size and wall thickness of product required. Generally, melt temperature should be 160-180°C. 5-8 bar of blowing pressure is recommended. In some cases, enlargement of die and pin diameter (15-30%) may be suggested for increasing parison diameter.

**Product Available Form**

- Pellet

**Product Handling**

- 25 kg loose bag
- Big bag with specified weight

**Product Technical Assistance**

For technical assistance or further information on this product or any other EL-Lene products, please contact EL-Lene representatives.

The information presented in this data sheet is offered in good faith. SCG Plastics Co., Ltd. accepts no responsibility for the accuracy or interpretation of the information presented. The users have to establish for yourself the most suitable formulation, production method and control tests, to ensure the uniformity and quality of your product in compliance with all related laws.