



## Datasheet

29/04/2021

**High Density Polyethylene SHC7260****Description:**

SHC7260 is a high-density polyethylene, developed for the injection molding which presents high hardness and stiffness, besides low tendency to warpage. Organoleptic properties are suitable for water caps applications. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

**Applications:**

Cosmetic packaging, Caps for water, Caps for non-carbonated or low carbonated soft drinks, toys, pallet

**Processes:**

Injection molding.

**Control Properties:**

| Feature                       | Method | Units             | Values |
|-------------------------------|--------|-------------------|--------|
| Melt Flow Rate (190°C/2.16kg) | D 1238 | g/10 min          | 7.2    |
| Density                       | D 792  | g/cm <sup>3</sup> | 0.959  |

**Typical Properties - Plaque<sup>1</sup>:**

Plaque Properties

| Feature                                            | Method | Units | Values |
|----------------------------------------------------|--------|-------|--------|
| Tensile Strength at Yield (a)                      | D 638  | MPa   | 29     |
| Elongation at Yield (a)                            | D 638  | %     | 7.5    |
| Flexural Modulus - 1% Secant (b)                   | D 2240 | MPa   | 1365   |
| Shore D Hardness (c)                               | D 2240 | -     | 63     |
| Izod Impact Strength (b)                           | D 256  | J/m   | 35     |
| Deflection Temperature under Load at 0.455 MPa (b) | D 648  | °C    | 74     |
| Vicat Softening Temperature at 10 N (b)            | D 1525 | °C    | 126    |

<sup>1</sup> Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

**Final Remarks:**

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.