

High Density Polyethylene SHA7260**Description:**

SHA7260 is a high-density polyethylene, developed for the injection molding, easy to process and with high productivity. This resin has a good melt flow with high rigidity and hardness. Its narrow molar mass distribution results in a low tendency to warpage. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Applications:

Caps, Thin wall parts, Houseware, toys

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	20
Density	D 792	g/cm ³	0.955

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	ASTM D 638	MPa	26
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1250
Hardness (c)	D 2240	-	60
Izod Impact Strength (b)	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	67
Vicat Softening Temperature at 10 N (b)	D 1525	°C	121

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

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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