High Density Polyethylene SHD7255LS-L

Description:

SHD7255LS-L is a high-density polyethylene, developed for the injection molding with good tenacity and impact properties combined with a good stiffness. It presents a radio between melt flow and density that provides excellent mechanical properties. This resin has additives against the action of ultraviolet radiation. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Applications:

Horticultural Boxes, Fish crates, General use crates, Industrial crates

Control Properties:

Feature	Method	Units	Values
Density	ISO 1183-1	g/cm³	0.954
Melt Flow Rate (190°C/2,16 kg)	ISO 1133	g/10 min	4.5

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strenght at Yeld (b)	ISO 527	MPa	27
Elongation at Yeld (b)	ISO 527	%	10
Tensile Strenght at Break (b)	ISO 527	MPa	12
Elongation at Break (b)	ISO 527	%	265
Flexural modulus Chord 0.05-0.25 % (b)	ISO 178	MPa	1080
Izod Impact Strength 23 °C (b)	ISO 180	kJ/m²	4
Vicat Softening Temperature at 10 N (a)	ISO 306	°C	127
Deflection Temperature Under Load at 0.455 MPa (b)	ISO 75	°C	62

1 Test specimens prepared from compression molded sheet made according to ISO 293. Plaque Thickness: a) 3 mm b) 4 mm c) 6 mm

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.