

High Density Polyethylene HD7255LS-L

Description:

HD7255LS-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 ratio between melt flow and density that provides excellent mechanical properties. This resin has additives against the action of ultraviolet radiation.

Application:

Bins, Boxes for fruits and vegetables, Boxes for fish and General purpose boxes

Process:

Injection Molding

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	4.5
Density	D 792	g/cm ³	0.954

Typical Properties:
Plaque Properties^a

	ASTM Methods	Units	Values
Tensile Strength at Yield	D 638	MPa	27
Flexural Modulus – 1% Secant	D 790	MPa	1270
Shore D Hardness	D 2240	-	63
Notched Izod Impact Strength	D 256	J/m	45
Environmental Stress Cracking Resistance ^b	D 1693	h/F50	< 5
Vicat Softening Temperature at 10 N	D 1525	°C	127
Deflection Temperature under Load at 0.455 MPa	D 648	°C	74

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

(b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 100% Igepal; 50°C

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. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25087-34-7.
5. The mentioned values in this report can be changed at any moment without Braskem previous communication.
6. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
7. The content of this Data Sheet replaces previous revisions published for this product.
8. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.