

Braskem PE HD 7255 LS-L

High Density Polyethylene

Braskem

Message:

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 radio 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, general purpose boxes and caps and closures for general use.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	Good UV Resistance		
Uses	High Density		
	Caps		
	Containers		
	Crates		
Forms	Food Containers		
	Pellets		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.954	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, Compression Molded, F50)	< 5.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	27.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	45	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	74.0	°C	ASTM D648
Vicat Softening Temperature	127	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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