

# Braskem PE HC 7260 LS-L

High Density Polyethylene

Braskem

Message:

HC7260LS-L is a high-density polyethylene, developed for the injection molding which presents high hardness and stiffness, besides low tendency to warpage. This resin has additives against the ultraviolet radiation action.

Application:  
Industrial containers, Safety Helmets, Toilet seats, Housewares, Toys, Lids, Pallets, Boxes for beverages bottles, caps and closures.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	High Density		
	High Hardness		
	High Stiffness		
	Low Warpage		
Uses	Bathroom Accessories		
	Household Goods		
	Industrial Containers		
	Lids		
	Pallets		
	Safety Helmets		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.959	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, Compression Molded, F50)	< 4.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	30.0	MPa	ASTM D638
Tensile Elongation (Yield, Compression Molded)	7.5	%	ASTM D638

Flexural Modulus - 1% Secant (Compression Molded)	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	76.0	°C	ASTM D648
Vicat Softening Temperature	126	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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