

Braskem PE SHC7260LS-L

High Density Polyethylene

Braskem America Inc.

Message:

SHC7260LS-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. The minimum biobased content of this grade is 94%, determined according to ASTM D6866.

Application:

Boxes for frozen food and agricultural products, industrial containers and boxes for general use, Safety Helmets, Toilet seats, Housewares, Toys, Lids, Caps & Closures, Pallets and Boxes for beverages bottles.

Process:

Injection Molding.

General Information			
Additive	UV stabilizer		
Features	UV Stabilized		
	Low warpage		
	Rigidity, high		
	Updatable resources		
	High hardness		
Uses	Pallets		
	Safety helmet		
	Cover		
	Industrial container		
	Shield		
	Household goods		
	Agricultural application		
	Shell		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.959	g/cm ³	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
Biobased Content	94	%	ASTM D6866
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 ¹
NOTE			

1. 压力1 (10N)

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