

Braskem PE SHA7260

High Density Polyethylene

Braskem

Message:

Description:
SHA7260 is a high-density polyethylene, developed for the injection molding, easy to process and with high productivity. This resin has a good melt flow with high rigidity and hardness. Its narrow molar mass distribution results in a low tendency to warpage.
The minimum biobased content of this grade is 94%, determined according to ASTM D6866.

Application:
Pails & basins, Caps & Closures, Toys, Lids, Thin-walled parts and Housewares.

General Information			
Features	Low warpage		
	Rigidity, high		
	Updatable resources		
	Workability, good		
	Good liquidity		
	Compliance of Food Exposure		
	High hardness		
	Narrow molecular weight distribution		
Uses	Cover		
	Shield		
	Household goods		
	Barrel		
	Shell		
	Toys		
Agency Ratings		FDA 21 CFR 177.1520	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.955	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, 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)	29.0	MPa	ASTM D638

Tensile Elongation (Yield, Compression Molded)	7.2	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	25	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	124	°C	ASTM D1525 ¹
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 94	%	ASTM D6866
NOTE			

1. 压力1 (10N)

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Recommended distributors for this material

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