

Braskem PE HD7000C

High Density Polyethylene

Braskem

Message:

HD7000C is a high density polyethylene, homopolymer designed for the blow-molding segment. HD7000C shows high stiffness properties, good impact resistance, good surface quality and good organoleptic properties.

Applications:

Blow Molded Small Volume:

Bottles for lubricant and edible oils, milk, juice and yogurt;

Toys.

Process:

Blow Molding;

Indication for IBM process (Injection Blow Molding).

General Information			
Features	Rigid, good		
	Homopolymer		
	Impact resistance, good		
	Good sensory characteristics		
	Excellent appearance		
Uses	Blow molding applications		
	Juice bottle		
	Bottle		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow molding		
	Injection blowing molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.963	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.35	g/10 min	ASTM D1238
190°C/21.6 kg	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	30.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (Compression Molded)	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	70.0	°C	ASTM D648
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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

