

# Braskem PE SGE7252XP

High Density Polyethylene

Braskem America Inc.

## Message:

Description: SGE7252XP is a bimodal high density polyethylene specially developed to manufacturing of caps and closures to beverages and soft drinks. This grade offers a good balance between chemical and mechanical resistance, good processability and organoleptic properties. The minimum biobased content of this grade is 94%, determined according to ASTM D6866.

Application: Caps and closures for carbonated beverages.

Process: Injection Molding.

Additives: Slip Agent.

General Information			
Additive	Slip		
Features	Good Organoleptic Properties		
	Good Processability		
	High Density		
	Renewable Resource Content		
	Slip		
Uses	Caps		
	Closures		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 10% Igepal, Compression Molded, F50)	40.0	hr	ASTM D1693B
Full Notch Creep Test	> 1.0	day	Internal Method
Biobased Content	> 94	%	ASTM D6866
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	26.0	MPa	
Break, Compression Molded	14.0	MPa	
Tensile Strain			ISO 527-2
Yield, Compression Molded	9.0	%	
Break	400	%	
Flexural Modulus (Compression Molded)	1200	MPa	ISO 178

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### 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

