

# Braskem PE IC 32

Linear Low Density Polyethylene

Braskem

## Message:

Description:  
IC32 is a linear low-density polyethylene, narrow molecular weight butene-1 copolymer, produced by solution process, for injection molding. It offers good fluidity, excellent flexibility, tenacity and low warpage. It contains special antioxidant additives.

Application:  
Resin has been specifically developed for lids molding injection, house appliances and master batch production.

General Information			
Additive	Antioxidation		
Features	Low warpage		
	Antioxidation		
	Good flexibility		
	Narrow molecular weight distribution		
Uses	Electrical appliances		
	Cover		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	29	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 10% Igepal, Compression Molded, F50)	< 1.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	12.0	MPa	ASTM D638
Fracture, molding	10.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	250	%	ASTM D638
Apparent Bending Modulus	320	MPa	ASTM D747
Flexural Modulus - 1% Secant (Compression Molded)	370	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525 <sup>1</sup>
Additional Information			

The IC32 resin has been developed to be used in injection molding, in similar conditions to the other Linear Low Density Polyethylene of similar fluidity.

Injection	Nominal Value	Unit
Rear Temperature	150 - 200	°C

NOTE

1. 压力1 (10N)

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

