

# SABIC<sup>®</sup> HDPE CC255SL

## HIGH DENSITY POLYETHYLENE

### DESCRIPTION

SABIC<sup>®</sup> HDPE CC255SL is a multimodal high density polyethylene. It offers a very good processability in combination of stiffness, impact resistance, excellent ESCR and organoleptic properties. The typical applications of this grade are mainly injection molding and compression molding of caps for carbonated soft drinks, particularly for latest design of lightweight caps.

SABIC<sup>®</sup> HDPE CC255SL contains slip agent.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

### TYPICAL PROPERTY VALUES

PROPERTIES	Typical Values	Units	Test Methods
<b>POLYMER PROPERTIES</b>			
Melt Flow Rate (190°C and 2.16 kg )	1.5	dg/min	ASTM D1238
Density (@ 23°C)	955	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
Tensile modulus	1250	MPa	ISO 527-2
Tensile at Yield	27	MPa	ISO 527-2
Strain at yield	9	%	ISO 527-2
Elongation at Break	900	%	ISO 527-2
<b>ESCR<sup>(1)</sup></b>			
10% Igepal, F50	220	Hrs	ASTM D 1693
<b>C&amp;C PROPERTIES</b>		Approved	SABIC method
Organoleptic properties			

(1) Compression molding of test specimen according to ISO 17855-2

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration. Additional specific information can be requested via your local Sales Office.

## STORAGE AND HANDLING

Polyethylene material should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions, which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

Saudi Basic Industries Corporation,

P.O. Box 5101, Riyadh 11422,

Kingdom of Saudi Arabia

Tel: 966 11 2258000

Fax: 966 11 2259000

Website: [www.sabic.com](http://www.sabic.com)

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