

SABIC® HDPE CC862

High Density Polyethylene

SABIC Americas, Inc.

Message:

SABIC HDPE CC862 is high density polyethylene specially developed for still water bottle caps that meet organoleptic properties requirements. The material offers an ideal combination of rigidity, impact strength and low warpage properties.

Typical Applications

Caps & Closures for the packaging of still mineral water

Caps & Closures for beverage food and industrial packaging

Special Features

Good organoleptics properties

Complies with food contacts regulations

Slip agent free grade

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Low Warpage		
Uses	Caps		
	Closures		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.963	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	3.00	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Injection Molded	26.0	MPa	
Break, Injection Molded	18.0	MPa	
Tensile Elongation (Break, Injection Molded)	> 800	%	ASTM D638
Flexural Modulus (Injection Molded)	1000	MPa	ASTM D790
Flexural Strength (Injection Molded)	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Injection Molded)	75	J/m	ASTM D256

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Recommended distributors for this material

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