

POLYMERS

SABIC[®] HDPE Injection Molding CC862

PRODUCT DESCRIPTION

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.

KEY FEATURES

- Good organoleptic properties.
- Complies with food contacts regulations slip agent free grade.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate			
@ 190°C & 2.16 kg load	g/10 min	8	ASTM D 1238
Density @ 23°C	Kg/m ³	963	ASTM D 1505
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Strength @ Yield	MPa	26	ASTM D 638
Tensile Strength @ Break	MPa	18	ASTM D 638
Tensile Elongation @ Break	%	>800	ASTM D 638
Flexural Strength	MPa	25	ASTM D 790
Flexural Modulus	MPa	1000	ASTM D 790
Izod Impact	J/m	75	ASTM D 256
Hardness (Shore D)	-	62	ASTM D 2240
ESCR (100% Igepal), F50*	Hrs	3	ASTM D 1693B
THERMAL PROPERTIES ⁽²⁾			
Vicat Softening Point	°C	125	ASTM D 1525
Brittleness Temperature	°C	< -75	ASTM D 746
OTHER PROPERTIES			
Sensoric (Organoleptic properties)	°C	Approved	SABIC Method