

POLYMERS

SABIC® HDPE Injection & Compression Molding CC254

PRODUCT DESCRIPTION

SABIC HDPE CC254 is high density polyethylene produced by ACP technology specially developed for Caps & Closures of carbonated soft drinks (CSD) and sparkling water. It is easy processable on injection molding and compression molding machines. The grade offers good balance of stiffness, environmental stress cracking resistance and meets organoleptic.

TYPICAL APPLICATIONS

- Caps & Closures for carbonated soft drinks (CSD) and sparkling water.
- Collapsible tubes

KEY FEATURES

- Approved for organoleptic properties.
- Complies with food contacts regulations.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate (MFR) @ 190°C & 2.16 kg load	g/10 min	2.1	ISO 1133
@ 190°C & 5 kg load	g/10 min	6.3	ISO 1133
Density @ 23°C	Kg/m ³	953	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Modulus	MPa	1150	ISO 527-1-2
Tensile Strength @ Yield	MPa	30	ISO 527-1-2
Tensile Elongation @ Yield	%	10	ISO 527-1-2
ESCR	hr	>9	SABIC Method
Charpy notched impact strength (-30°C)	KJ/m ²	5	ISO 179
Hardness (Shore D)	-	62	ISO 868
THERMAL PROPERTIES			
Vicat softening temperature B/50	°C	75	ISO 306

(1) Typical values: not to be construed as specification limits.

(2) Based on compression molded specimens.

Recommended processing temperatures: 190-230°C