

SABIC CC862 High Density Polyethylene for Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Product Description: SABIC HDPE CC862 is a 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 organoleptic properties Complies with food contacts regulations Slip agent free grade Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-CC862-High-Density-Polyethylene-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in ³	ASTM D1505
ESCR 100% Igepal®	3.0 hour	3.0 hour	F50; ASTM D1693B
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D638
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Strength	25.0 MPa	3630 psi	ASTM D790
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	0.750 J/cm	1.41 ft-lb/in	ASTM D256

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