

# HDPE

HDPE for Caps and Closures

## ▶ C430A

### ● Description

C430A is high density polyethylene with broad molecular weight distribution. This grade is designed to be processed in by both injection molding and compression molding. It contains no slip agent.

### ● Characteristics

- ▶ Good processability and mechanical property
- ▶ Good organoleptic property
- ▶ Application: Water and soft beverages

### ● Physical Properties

Properties	Test Method	Units	C430A
Melt flow index	ASTM D1238	g/10min	1.7
Density	ASTM D1505	g/cm <sup>3</sup>	0.962
Tensile strength at yield	ASTM D638	kg/cm <sup>2</sup>	280
Elongation at break	ASTM D638	%	>500
Flexural modulus	ASTM D790	kg/cm <sup>2</sup>	10,500
Izod impact strength at 23 °C	ASTM D256	kgcm/cm	11
Izod impact strength at -20 °C	ASTM D256	kgcm/cm	5
Rockwell Hardness	ASTM D785	R Scale	33
Melting Point	Hanwha Total	°C	131
Vicat Softening Point	ASTM D1525 1kg	°C	126
E.S.C.R	ASTM D1693 (B) 50 °C, 10% Igepal	F <sub>50</sub> , hrs	>30

Data performed by or on behalf of Hanwha Total

## ● **Food Contact Application**

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- ▶ Hanwha Total C430A meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Customer Service Team.

## ● **Contacts**

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### ▶ **Product Information & Technical Services**

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