

Hanwha Total PE C430A

High Density Polyethylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

C430A is a high density polyethylene with broad molecular weight distribution. This grade shows good processability and mechanical properties, and is designed to be suitable for bottle cap applications such as water and soft beverages.

General Information			
Features	Good Organoleptic Properties Good Processability Wide Molecular Weight Distribution		
Uses	Caps		
Physical	Nominal Value	Unit	Test Method
Density	0.962	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.5	MPa	ASTM D638
Tensile Elongation ² (Break)	> 90	%	ASTM D638
Flexural Modulus ³	981	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	10	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Peak Melting Temperature ⁴	130	°C	ASTM D3418

NOTE	
1.	Type IV, 50 mm/min
2.	Type IV, 50 mm/min
3.	5.0 mm/min
4.	10 °C/min

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