

## POLYMERS

# SABIC<sup>®</sup> HDPE Blow molding B5206

## PRODUCT DESCRIPTION

HDPE B5206 is high density polyethylene specially developed for large blow molding / Jerry cans. The material offers high stiffness, good processability and excellent combination of stiffness/ESCR.

## TYPICAL APPLICATIONS

B5206 is specially designed for Standard jerry cans, UN approved jerry cans and standard drums up to 60L The grade is intended for food contact application.

## TYPICAL DATA

PROPERTIES	Unit	Value <sup>(1)</sup>	Test Method
Melt Flow Rate			
@ 190°C & 21.6 kg load	g/10 min	6.5	ISO 1133
Density @ 23°C	Kg/m <sup>3</sup>	952	ISO 1183
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Modulus	MPa	1050	ISO 527-1,-2
Tensile Strength @ Yield	MPa	26	ISO 527-1,-2
Tensile Strain @ Yield	MPa	10	ISO 527-1,-2
Charpy Notched Impact Strength (-30°C, Type 1, Notch A)	kJ/m <sup>2</sup>	36	ISO 179
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	50	ISO 16770