

POLYMERS

SABIC[®] 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 ⁽¹⁾	Test Method
Melt Flow Rate			
@ 190°C & 21.6 kg load	g/10 min	6.5	ISO 1133
Density @ 23°C	Kg/m ³	952	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
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 ²	36	ISO 179
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	50	ISO 16770

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

(2) Based on compression molded sheet.

Processing condition:

Recommended processing temperature 180-220°C