

POLYMERS

# SABIC<sup>®</sup> HDPE Blow molding B5403

## PRODUCT DESCRIPTION

HDPE B5403 is high density polyethylene specially developed for large blow molding / Jerry cans and Drums. The material offers an excellent combination of stiffness and ESCR and a high Impact resistance. The grade is intended for food contact application.

## TYPICAL APPLICATIONS

B5403 is specially designed for Standard jerry cans, UN approved jerry cans, Standard drums, L-ring drums for packaging of dangerous goods and UN approved open top drums. The grade is food contact approved.

## TYPICAL DATA

PROPERTIES	Unit	Value <sup>(1)</sup>	Test Method
Melt Flow Rate			
@ 190°C & 21.6 kg load	g/10 min	2.6	ISO 1133
Density @ 23°C	Kg/m <sup>3</sup>	954	ISO 1183
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
Tensile Modulus	MPa	1200	ISO 527-1,-2
Tensile Strength @ Yield	MPa	27	ISO 527-1,-2
Tensile Strain @ Yield	MPa	8	ISO 527-1,-2
Tensile Impact Strength @ -30°C (Notched)	kJ/m <sup>2</sup>	290	ISO 8256
Charpy Notched Impact Strength (-30°C, Type 1, Notch A)	kJ/m <sup>2</sup>	80	ISO 179
FNCT (3.5 MPa, 2 % Igepal BC/9, 80°C)	Hrs	14	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

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Detailed information is provided in the relevant Material Safety Datasheet and or Standard Food Declaration, Additional specific information can be requested via your local Sales Office.

## STORAGE AND HANDLING

Polyethylene material should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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